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STIEBEL ELTRON LWZ 504



A++



A

Two icons showing sound power levels. The top icon shows a speaker inside a house with the text "50 dB". The bottom icon shows a speaker outside a house with the text "50 dB".



- 14 kW
- 10 kW
- 9 kW

2019

811/2013

		LWZ 504
		233514
Manufacturer		STIEBEL ELTRON
Load profile		XL
Energy efficiency class for central heating in moderate climates for medium temperature applications		A++
Energy efficiency class for central heating in moderate climates for low temperature applications		A+++
Energy efficiency category for DHW heating under moderate climatic conditions		A
Rated heating output in moderate climates for medium temperature applications	kW	7
Rated heating output in moderate climates for low temperature applications	kW	10
Energy consumption of central heating in moderate climates for medium temperature applications	kWh/a	4199
Energy consumption for central heating under moderate climatic conditions, for low temperature applications	kWh/a	4755
Energy consumption for DHW heating under moderate climatic conditions	kWh/a	1676
Energy efficiency for central heating in moderate climates for medium temperature applications	%	128
Energy efficiency for central heating in moderate climates for low temperature applications	%	163
Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions	%	102
Sound power level internal	dB(A)	50
Rated heating output in colder climates for medium temperature applications	kW	11
Rated heating output in colder climates for low temperature applications	kW	14
Rated heating output in warmer climates for medium temperature applications	kW	8
Rated heating output in warmer climates for low temperature applications	kW	9
Energy consumption for central heating under colder climatic conditions, for medium temperature applications	kWh/a	9932
Energy consumption for central heating under colder climatic conditions, for low temperature applications	kWh/a	10498
Energy consumption for central heating under warmer climatic conditions, for medium temperature applications	kWh/a	2911
Energy consumption for central heating under warmer climatic conditions, for low temperature applications	kWh/a	2243
Energy consumption for DHW heating under colder climatic conditions	kWh/a	2042
Energy consumption for DHW heating under warmer climatic conditions	kWh/a	1183
Energy efficiency for central heating in colder climates for medium temperature applications	%	102
Energy efficiency for central heating in colder climates for low temperature applications	%	131
Energy efficiency for central heating in warmer climates for medium temperature applications	%	150
Energy efficiency for central heating in warmer climates for low temperature applications	%	207
Energy efficiency for DHW heating (η_{wh}) under colder climatic conditions	%	84
Energy efficiency for DHW heating (η_{wh}) under warmer climatic conditions	%	145
Sound power level external	dB(A)	50
Operation exclusively enabled during low load times		-



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STIEBEL ELTRON

LWZ 504

Energy scale for radiator icon, showing levels A+++ to G. The A+++ level is highlighted in green, and the A++ level is highlighted in dark green. A black arrow labeled A++ points to the A++ level.

Energy scale for tap icon with XL, showing levels A+++ to G. The A+++ level is highlighted in green, and the A++ level is highlighted in dark green. A black arrow labeled A points to the A level.

Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013

		LWZ 504
		233514
Manufacturer		STIEBEL ELTRON
Energy efficiency for central heating in moderate climates for medium temperature applications	%	128
Temperature controller class		VI
Contribution of temperature controller to room heating energy efficiency	%	4
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	26
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	22
Energy efficiency class for central heating in moderate climates for medium temperature applications		A++
Room heating energy efficiency class of composite system under moderate climatic conditions		A++
Energy efficiency category for DHW heating under moderate climatic conditions		A
Load profile		XL

		LWZ 504
		233514
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Low temperature heat pump		-
With booster heater		x
Combi boiler with heat pump		x
Rated heating output in moderate climates for medium temperature applications	kW	7
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5,87
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,52
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2,72
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,2
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	5,87
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	2,67
Dual mode temperature (Tbiv)	°C	-7
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2,26
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3,27
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4,14
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5,29
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,26
Tj = operating temperature limit under moderate climatic conditions (COPd)		1,88
Heating water operating temperature limit (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	27,000
Power consumption, thermostat OFF state (PTO)	W	63
Standby power consumption (PSB)	W	27,000
Power consumption, operating state, with crankcase heating (PCK)	W	35,000
Booster heater heating output (PSUB)	kW	3,970
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	50
Sound power level internal	dB(A)	50
Load profile		XL
Daily power consumption (Qelec)	kWh	7,14
Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions	%	102