

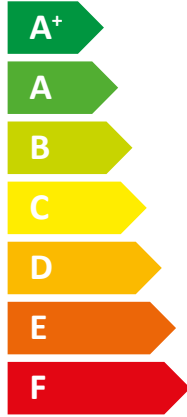


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**STIEBEL ELTRON** LWZ 404 SOL



**A+**



**A**

Two icons showing sound power levels. The top icon shows a house with sound waves and the text "58 dB". The bottom icon shows a house with sound waves and the text "58 dB".



Legend for power output with three colored squares: dark blue for "6,00 kW", medium blue for "6 kW", and light blue for "6 kW".

2019

811/2013

**Product datasheet: Combi heater to regulation (EU) no. 811/2013**

		<b>LWZ 404 SOL</b>
		230144
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 average temperature applications (Prated)	kW	6
Rated heating output in moderate climates for low temperature applications (Prated)	kW	6
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4052
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	3674
Annual power consumption in moderate climates (AEC)	kWh/a	1723
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	115
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	137
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions	%	98
Sound power level internal	dB(A)	58
Sound power level external	dB(A)	58
Rated heating output in colder climates for average temperature applications (Prated)	kW	5
Rated heating output in colder climates for low temperature applications (Prated)	kW	6,00
Rated heating output in warmer climates for average temperature applications (Prated)	kW	6
Rated heating output in warmer climates for low temperature applications (Prated)	kW	6
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	5155
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	4877
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2567
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	2160
Annual power consumption in colder climates (AEC)	kWh/a	1984
Annual power consumption in warmer climates (AEC)	kWh/a	1591
Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )	%	100
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	118
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	124
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	155
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions	%	85,2173913
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions	%	105,6695652
Operation exclusively enabled during low load times		-



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**STIEBEL ELTRON**

LWZ 404 SOL

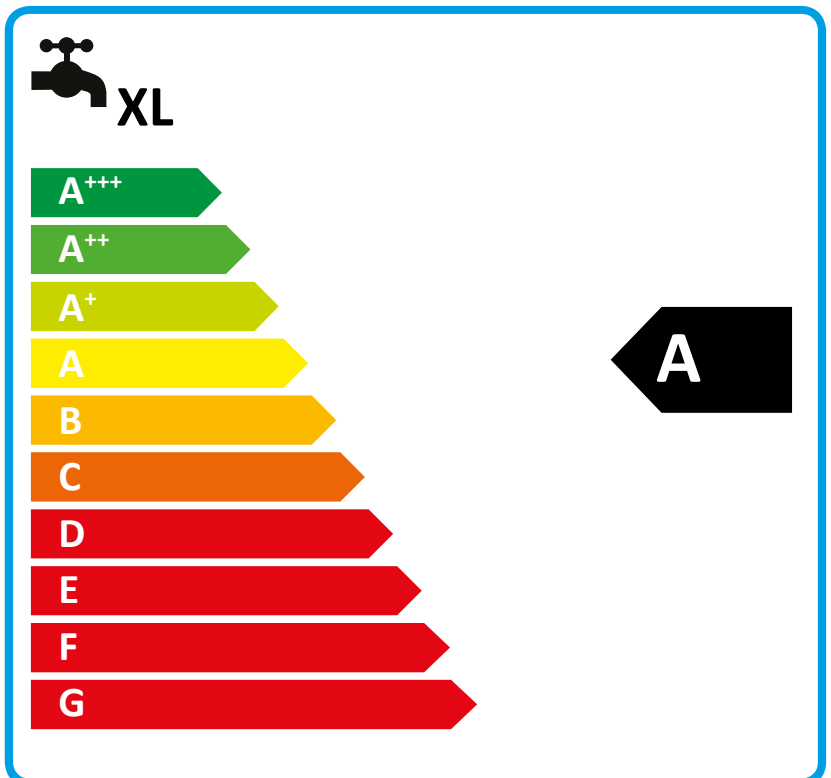
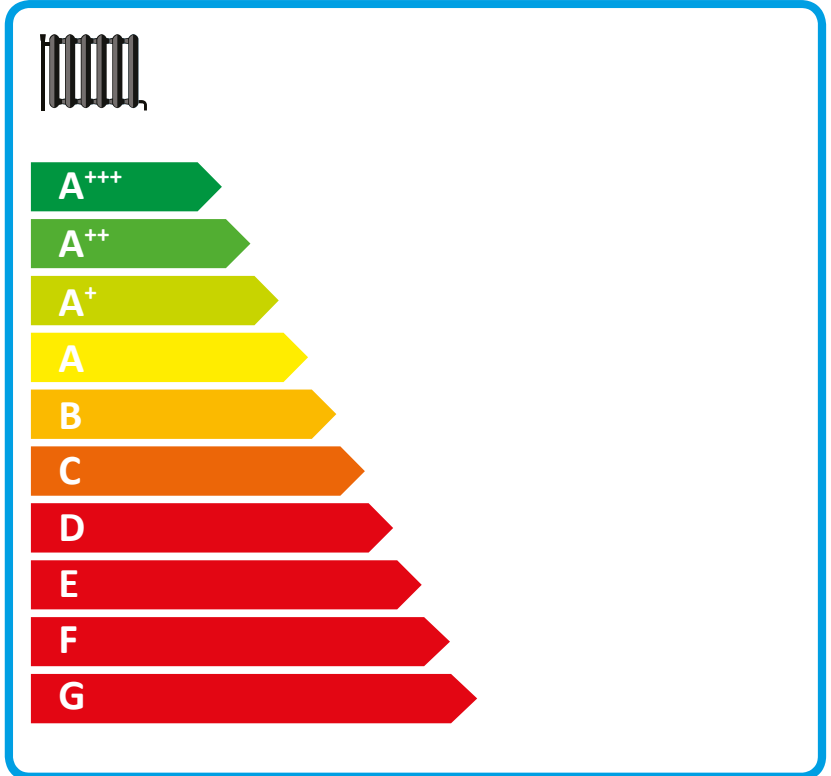
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**Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013**

		<b>LWZ 404 SOL</b>
		230144
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	115
Temperature controller class		VII
Contribution of temperature controller to room heating energy efficiency	%	3,50
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	15
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	9
Energy efficiency class for central heating in moderate climates for medium temperature applications		A+
Energy efficiency category for DHW heating under moderate climatic conditions		A
Load profile		XL

**Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013**

		<b>LWZ 404 SOL</b>
		230144
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 colder climates for average temperature applications (Prated)	kW	5
Rated heating output in moderate climates for average temperature applications (Prated)	kW	6
Rated heating output in warmer climates for average temperature applications (Prated)	kW	6
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	4,20
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	6,20
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	7,30
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	8,80
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	4,70
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3,50
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	2,20
Dual mode temperature in moderate climates (Tbiv)	°C	-5
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	100
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	115
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	124
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2,31
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3,06
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		3,44
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4,02
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,51
Tj = operating temperature limit under moderate climatic conditions (COPd)		2,00
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		1,42
Heating water operating temperature limit (WTOL)	°C	0
Power consumption, OFF state (Poff)	W	12,000
Power consumption, thermostat OFF state (PTO)	W	82
Standby power consumption (PSB)	W	12,000
Power consumption, operating state, with crankcase heating (PCK)	W	12,000
Booster heater heating output (PSUB)	kW	2,230
Type of energy supply, booster heater		electric
Power control		Fixed
Sound power level external	dB(A)	58
Sound power level internal	dB(A)	58
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	5155
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4052
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2567
Load profile		XL
Annual power consumption in colder climates (AEC)	kWh/a	1984
Annual power consumption in moderate climates (AEC)	kWh/a	1723

Annual power consumption in warmer climates (AEC)	kWh/a	1591
Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions	%	98