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STIEBEL ELTRON LWZ 5 CS Premium



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'.



A legend for power output levels, consisting of three colored squares with corresponding text: a dark blue square for '9.00 kW', a medium blue square for '6 kW', and a light blue square for '7 kW'.

2019

811/2013

Product datasheet: Combi heater to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

		LWZ 5 CS Premium
		201427
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	6.00
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	3910
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	3052
Annual power consumption in moderate climates (AEC)	kWh/a	1676
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	129
Seasonal room heating efficiency in moderate climates for low temperature applications (η_s)	%	165
Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions	%	102
Sound power level internal	dB(A)	50
Sound power level external	dB(A)	50
Special measures		For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions
Rated heating output in colder climates for average temperature applications (Prated)	kW	9
Rated heating output in colder climates for low temperature applications (Prated)	kW	9.00
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Rated heating output in warmer climates for low temperature applications (Prated)	kW	7
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	8174
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	6468
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2420
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	1704
Annual power consumption in colder climates (AEC)	kWh/a	2042
Annual power consumption in warmer climates (AEC)	kWh/a	1183
Seasonal room heating efficiency in colder climates for average temperature applications (η_s)	%	103
Seasonal room heating efficiency in colder climates for low temperature applications (η_s)	%	138
Seasonal room heating efficiency in warmer climates for average temperature applications (η_s)	%	149
Seasonal room heating efficiency in warmer climates for low temperature applications (η_s)	%	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
Operation exclusively enabled during low load times		-



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STIEBEL ELTRON

LWZ 5 CS Premium

Energy label components: boiler icon, radiator icon, tap icon, and energy class labels A++ and A.

Energy label scale for radiator icon, showing A+++ to G and a final A++ label.

Energy label components: solar panel icon, hot water tank icon, control panel icon, boiler icon, plus signs, and square boxes.

Energy label scale for tap icon, showing A+++ to G and a final A label.

Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

		LWZ 5 CS Premium
		201427
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	129
Temperature controller class		VI
Contribution of temperature controller to room heating energy efficiency	%	4.00
Room heating energy efficiency of composite system under moderate climatic conditions	%	133
Room heating energy efficiency of composite system under colder climatic conditions	%	107
Room heating energy efficiency of composite system under warmer climatic conditions	%	153
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	%	20
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

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

		LWZ 5 CS Premium
		201427
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	9
Rated heating output in moderate climates for average temperature applications (Prated)	kW	6.00
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	5.3
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5.54
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	3.3
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.41
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	6.9
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.8
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.71
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	4.5
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	3.2
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.19
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	3.2
Tj = dual mode temperature in colder climates (Pdh)	kW	5.3
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	5.54
Tj = dual mode temperature in warmer climates (Pdh)	kW	6.9
Tj = operating temperature limit in colder climates (Pdh)	kW	2.6
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	2.67
Tj = operating temperature limit in warmer climates (Pdh)	kW	6.9
Dual mode temperature in colder climates (Tbiv)	°C	-7
Dual mode temperature in moderate climates (Tbiv)	°C	-7
Dual mode temperature in warmer climates (Tbiv)	°C	2
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	103
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	129
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	149
Tj = -7 °C COP, partial load range in colder climates (COPd)		2.52
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.26
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.5
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.27
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.5
Tj = 7 °C COP, partial load range in colder climates (COPd)		4.56
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.09
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.28
Tj = 12 °C COP, partial load range in colder climates (COPd)		5.59
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5.26
Tj = 12 °C COP, partial load range in warmer climates (COPd)		4.98
Tj = dual mode temperature in colder climates (COPd)		2.52
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.26
Tj = dual mode temperature in warmer climates (COPd)		2.5

Tj = operating temperature limit in colder climates (COPd)		2.09
Tj = operating temperature limit under moderate climatic conditions (COPd)		1.88
Tj = operating temperature limit in warmer climates (COPd)		2.5
Operating temperature limit in moderate climates (TOL)	°C	-10
Heating water operating temperature limit (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	27
Power consumption, thermostat OFF state (PTO)	W	63
Standby power consumption (PSB)	W	27
Power consumption, operating state, with crankcase heating (PCK)	W	35
Booster heater heating output in moderate climate (Psup)	kW	3.55
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	50
Sound power level internal	dB(A)	50
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	8174
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	3910
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2420
Load profile		XL
Daily power consumption (Qelec)	kWh	7.14
Annual power consumption in colder climates (AEC)	kWh/a	2042
Annual power consumption in moderate climates (AEC)	kWh/a	1676
Annual power consumption in warmer climates (AEC)	kWh/a	1183
Energy efficiency for DHW heating (Γ_{wh}) under moderate climatic conditions	%	102
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	