ENERG Y IJA
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STIEBEL ELTRON

LWZ 8 CS smart

XL

A+++
A++
A+
A
B
C
D

A++

A+
A
B
C
D
E
F

A

50dB

50dB

11 kW
7 kW
8 kW

2019

811/2013

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		LWZ 8 CS smart
		239290
Manufacturer		STIEBEL ELTRON
Load profile		XL
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A++
Energy efficiency class, space heating under average climate conditions, low-temperature applications		A++
Energy efficiency class, DHW heating under average climate conditions		A
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	7
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	10
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	4199
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	4755
Annual power consumption under average climate conditions (AEC)	kWh/a	1676
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	128
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	163
Energy efficiency, DHW heating (ɳwh), under average climate conditions	%	102
Sound power level, indoor	dB(A)	50
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	11
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	14
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	8
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	9
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	9932
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	10498
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2911
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	2243
Annual power consumption under colder climate conditions (AEC)	kWh/a	2042
Annual power consumption under warmer climate conditions (AEC)	kWh/a	1183
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	102
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	131
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	150
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	207
Sound power level, outdoor	dB(A)	50

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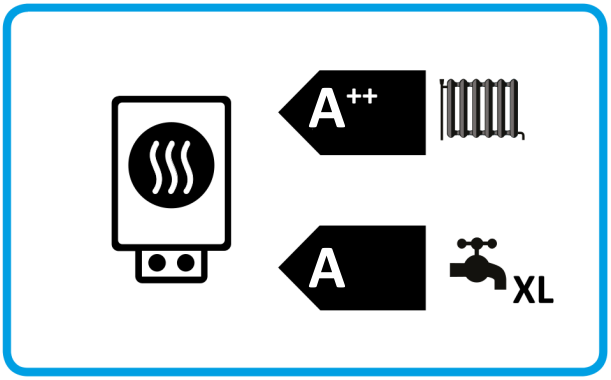
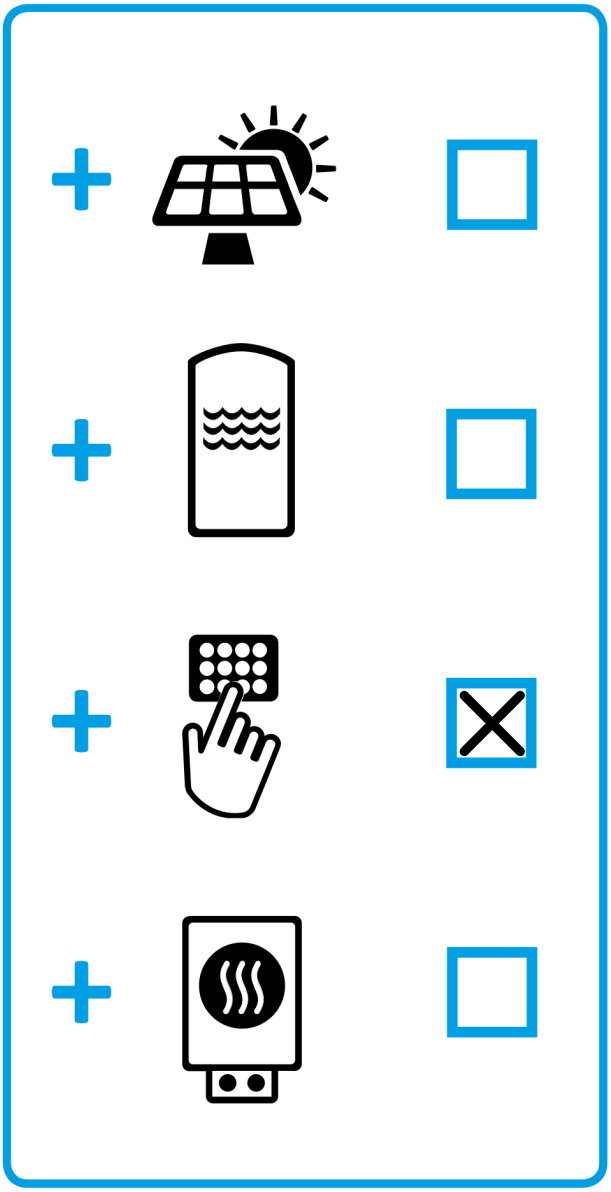
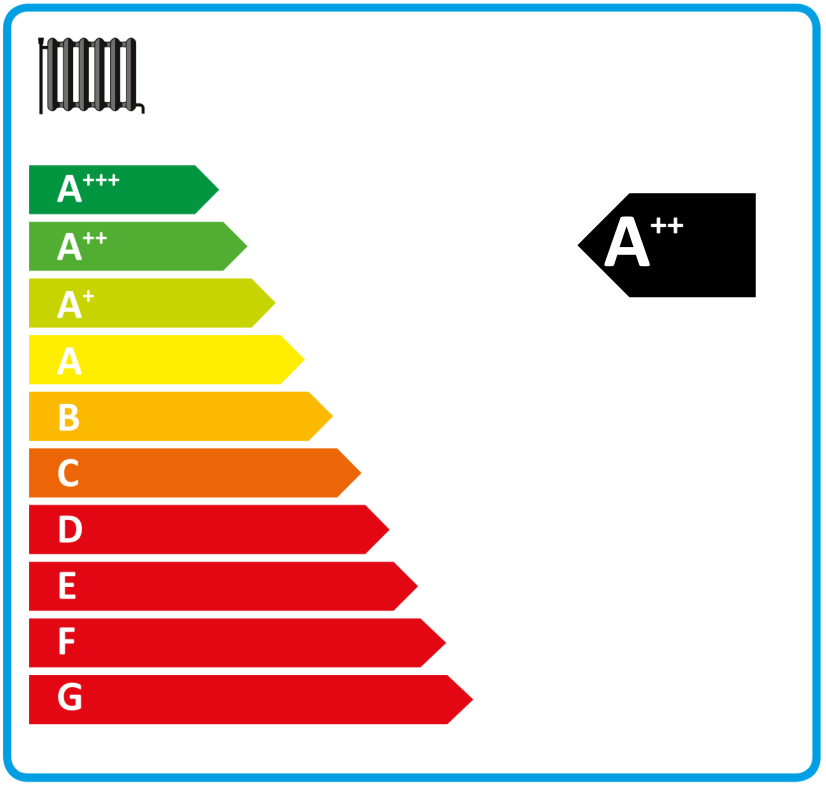
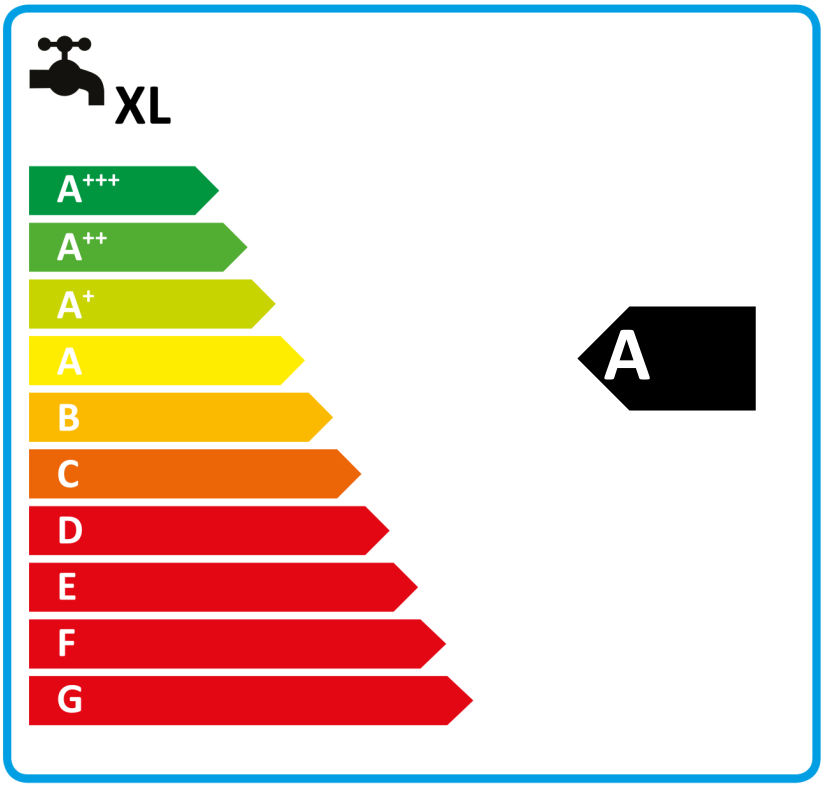
STIEBEL ELTRON









2015

811/2013

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		LWZ 8 CS smart
		239290
Manufacturer		STIEBEL ELTRON
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (Ƞs)	%	128
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	26
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	22
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A++
Space heating energy efficiency class of package under average climate conditions		A++
Energy efficiency class, DHW heating under average climate conditions		A
Load profile		XL

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		LWZ 8 CS smart
		239290
Manufacturer		STIEBEL ELTRON
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	11
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	7
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	8
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	6,4
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	5,9
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,9
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,5
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	8,3
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,8
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,7
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	5,4
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,2
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,2
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	3,2
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	6,4
Tj = dual mode temperature under average climate conditions (Pdh)	kW	5,9
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	8,3
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	2,6
Tj = operating temperature limit under average climate conditions (Pdh)	kW	2,7
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	8,3
Dual mode temperature under colder climate conditions (Tbiv)	°C	-7
Dual mode temperature under average climate conditions (Tbiv)	°C	-7
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	102
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	128
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	150
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,50
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,26
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,48
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,27
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,34
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,68
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,14
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,26
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		5,67
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		529,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		5,11
Tj = dual mode temperature under colder climate conditions (COPd)		2,50
Tj = dual mode temperature under average climate conditions (COPd)		2,26
Tj = dual mode temperature under warmer climate conditions (COPd)		2,34
Tj = operating temperature limit under colder climate conditions (COPd)		2,09
Tj = operating temperature limit under average climate conditions (COPd)		1,88
Tj = operating temperature limit under warmer climate conditions (COPd)		2,34
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	60
Power consumption, off-mode (Poff)	W	27
Power consumption, thermostat off-mode (PTO)	W	63
Power consumption, standby state (PSB)	W	27
Power consumption, operating state, with crankcase heating (PCK)	W	35
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	4,0
Sound power level, outdoor	dB(A)	50
Sound power level, indoor	dB(A)	50
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	9932
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	4199

Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2911

Load profile		XL
Annual power consumption under colder climate conditions (AEC)	kWh/a	2042
Annual power consumption under average climate conditions (AEC)	kWh/a	1676
Annual power consumption under warmer climate conditions (AEC)	kWh/a	1183
Energy efficiency, DHW heating (Ƞwh), under average climate conditions	%	102