



# ENERGY

**STIEBEL ELTRON**

WPL 13 ACS classic UK  
compact plus Set S



**A++**



**A**

Two icons of a house with sound waves emanating from it, one above the other. Below the icons, the text "57 dB" is displayed.



A legend box containing three entries: a dark blue square next to "6 kW", a medium blue square next to "7 kW", and a light blue square next to "6 kW".

2019

811/2013

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

		<b>WPL 13 ACS classic UK compact plus Set S</b>
		239116
Manufacturer		STIEBEL ELTRON
Load profile		L
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	8
Rated heating output in moderate climates for low temperature applications (Prated)	kW	7
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4865
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	3120
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	125
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	177
Sound power level external	dB(A)	57
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	11
Rated heating output in colder climates for low temperature applications (Prated)	kW	6
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	10193
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	3713
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2050
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	1556
Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )	%	103
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	151
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	152
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	213
Operation exclusively enabled during low load times		-



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Icons representing energy efficiency for heating and hot water. The heating icon is labeled **A++** and the hot water icon is labeled **A**.

Energy efficiency scale for heating, showing ratings from **A+++** (green) to **G** (red). The selected rating is **A++**.

Icons representing energy efficiency for solar, hot water storage, controls, and boiler. The solar, hot water storage, and boiler icons are marked with a plus sign (+) and an empty square box. The controls icon is marked with a plus sign (+) and a square box containing an 'X'.

Energy efficiency scale for hot water, showing ratings from **A+++** (green) to **G** (red). The selected rating is **A**.

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

		<b>WPL 13 ACS classic UK compact plus Set S</b>
		239116
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	125
Temperature controller class		VI
Contribution of temperature controller to room heating energy efficiency	%	4
Room heating energy efficiency of composite system under moderate climatic conditions	%	129
Room heating energy efficiency of composite system under colder climatic conditions	%	107
Room heating energy efficiency of composite system under warmer climatic conditions	%	156
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	22
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	27
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		L

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

		WPL 13 ACS classic UK compact plus Set S	
		239116	
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		11
Rated heating output in moderate climates for average temperature applications (Prated)	kW		8
Rated heating output in warmer climates for average temperature applications (Prated)	kW		6
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW		6.6
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW		5.1
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW		4
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW		4.1
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW		6
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW		2.7
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW		2.6
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW		3.9
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW		3.4
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW		3.3
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW		3.3
Tj = dual mode temperature in colder climates (Pdh)	kW		6.6
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW		6.1
Tj = dual mode temperature in warmer climates (Pdh)	kW		6.7
Tj = operating temperature limit in colder climates (Pdh)	kW		1.8
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW		5.1
Tj = operating temperature limit in warmer climates (Pdh)	kW		6.7
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW		0
Dual mode temperature in colder climates (Tbiv)	°C		-7
Dual mode temperature in moderate climates (Tbiv)	°C		-5
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)	%		125
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%		152
Tj = -7 °C COP, partial load range in colder climates (COPd)			2.4
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)			2
Tj = 2 °C COP, partial load range in colder climates (COPd)			3.6
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)			3.3
Tj = 2 °C COP, partial load range in warmer climates (COPd)			2.2
Tj = 7 °C COP, partial load range in colder climates (COPd)			5
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)			4.6
Tj = 7 °C COP, partial load range in warmer climates (COPd)			3.2
Tj = 12 °C COP, partial load range in colder climates (COPd)			6.2
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)			6
Tj = 12 °C COP, partial load range in warmer climates (COPd)			5.7
Tj = dual mode temperature in colder climates (COPd)			2.4
Tj = dual mode temperature under moderate climatic conditions (COPd)			2.3

Tj = dual mode temperature in warmer climates (COPd)		2.2
Tj = operating temperature limit in colder climates (COPd)		1.4
Tj = operating temperature limit under moderate climatic conditions (COPd)		2
Tj = operating temperature limit in warmer climates (COPd)		2.2
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)		0
Operating temperature limit in colder climates (TOL)	°C	-15
Operating temperature limit in moderate climates (TOL)	°C	-7
Operating temperature limit in warmer climates (TOL)	°C	2
Heating water operating temperature limit in colder climates (WTOL)	°C	60
Heating water operating temperature limit (WTOL)	°C	60
Heating water operating temperature limit in warmer climates (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	17
Power consumption, thermostat OFF state (PTO)	W	30
Standby power consumption (PSB)	W	17
Power consumption, operating state, with crankcase heating (PCK)	W	5
Booster heater heating output in colder climates (Psup)	kW	11
Booster heater heating output (PSUB)	kW	8
Booster heater heating output in warmer climates (Psup)	kW	0
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	57
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	10193
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4865
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2050
Flow rate, heat source side	m <sup>3</sup> /h	2200
Load profile		L
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	