



# ENERGY

**STIEBEL ELTRON**

WPL 17 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 with three colored squares and their corresponding power outputs: a dark blue square for "9 kW", a medium blue square for "9 kW", and a light blue square for "8 kW".

2019

811/2013

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

		<b>WPL 17 ACS classic UK compact plus Set S</b>
		238628
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	9
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	4218
Annual power consumption in moderate climates (AEC)	kWh/a	1532
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
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions	%	110
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	9
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	8
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	5722
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2048
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	1867
Annual power consumption in colder climates (AEC)	kWh/a	1709
Annual power consumption in warmer climates (AEC)	kWh/a	1200
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 ( $\eta_s$ )	%	147
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	153
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	215
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions	%	99
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions	%	141
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, ranging from **A+++** (green) to **G** (red). The selected efficiency level is **A++**.

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

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

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

		<b>WPL 17 ACS classic UK compact plus Set S</b>	
		238628	
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	%	163	
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	%	34	
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 17 ACS classic UK compact plus Set S	
		238628	
Manufacturer		STIEBEL ELTRON	
Heat source		Outside air	
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		7
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		5.10
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		4.10
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		2.60
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		3.30
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		6.10
Tj = dual mode temperature in warmer climates (Pdh)	kW		6
Tj = operating temperature limit in colder climates (Pdh)	kW		1.8
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW		5.10
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		0.00
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)	%		153
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)			2.00
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)			3.30
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)			4.60
Tj = 7 °C COP, partial load range in warmer climates (COPd)			3.5
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)			2.30
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)		2.00
Tj = operating temperature limit in warmer climates (COPd)		2.2
For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)		0.00
Operating temperature limit in colder climates (TOL)	°C	-15
Operating temperature limit in moderate climates (TOL)	°C	-5.000
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	17.000
Power consumption, thermostat OFF state (PTO)	W	30
Standby power consumption (PSB)	W	17.000
Power consumption, operating state, with crankcase heating (PCK)	W	5.000
Booster heater heating output in colder climates (Psup)	kW	11
Booster heater heating output (PSUB)	kW	8.000
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	2048
Flow rate, heat source side	m <sup>3</sup> /h	2200
Load profile		L
Annual power consumption in colder climates (AEC)	kWh/a	1709
Annual power consumption in moderate climates (AEC)	kWh/a	1532
Annual power consumption in warmer climates (AEC)	kWh/a	1200
Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions	%	110
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	