



# ENERGY

**STIEBEL ELTRON**

WPL 17 ACS classic UK flex Set S

Icons representing energy efficiency for heating and hot water. On the left is a boiler icon with three wavy lines. To its right is a black arrow pointing left with 'A++' written on it. Further right is a radiator icon. Below these is a black arrow pointing left with a tap icon to its right.

Energy efficiency scale for heating. At the top is a radiator icon. Below it is a vertical scale of ten horizontal bars, each representing a rating from A+++ (top, green) to G (bottom, red). To the right of the scale is a black arrow pointing left with 'A++' written on it.

Energy efficiency icons for various features. Each icon is preceded by a blue plus sign and followed by a square box. From top to bottom: a solar panel icon with a sun, a hot water tank icon, a control panel icon with a hand pointing at it, and a boiler icon with three wavy lines.

Energy efficiency scale for hot water. At the top is a tap icon. Below it is a vertical scale of ten horizontal bars, each representing a rating from A+++ (top, green) to G (bottom, red).

**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 flex Set S</b>
		238716
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++

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

		WPL 17 ACS classic UK flex Set S
		238716
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
With booster heater		x
Combi boiler with heat pump		-
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

Special measures

For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions