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**STIEBEL ELTRON**

WPL 09 ACS classic UK compact Set S

Icons representing heating (boiler) and hot water (tap). A black arrow labeled 'A+' points to the heating icon, and another black arrow points to the hot water icon.

Energy efficiency scale for heating. A radiator icon is at the top. A scale of colored bars represents efficiency levels from A+++ (green) to G (red). A black arrow labeled 'A+' points to the A+ level.

Icons representing solar panels, hot water tank, control panel, and boiler. Each icon is preceded by a blue plus sign. To the right of each icon is a square box: the first three are empty, and the fourth (boiler) contains a blue 'X'.

Energy efficiency scale for hot water. A tap icon is at the top. A scale of colored bars represents efficiency levels from A+++ (green) to G (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 09 ACS classic UK compact Set S</b>
		238625
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	116
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	%	120
Room heating energy efficiency of composite system under colder climatic conditions	%	109
Room heating energy efficiency of composite system under warmer climatic conditions	%	143
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	8
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	26
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

		<b>WPL 09 ACS classic UK compact Set S</b>
		238625
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Combi boiler with heat pump		-
Rated heating output in colder climates for average temperature applications (Prated)	kW	5
Rated heating output in moderate climates for average temperature applications (Prated)	kW	4
Rated heating output in warmer climates for average temperature applications (Prated)	kW	4
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	3.24
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.40
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	1.99
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.00
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	3.91
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.45
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.30
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	1.29
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	1.53
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.50
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	1.5
Tj = dual mode temperature in colder climates (Pdh)	kW	3.8
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	3.00
Tj = dual mode temperature in warmer climates (Pdh)	kW	4
Tj = operating temperature limit in colder climates (Pdh)	kW	3.24
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3.40
Tj = operating temperature limit in warmer climates (Pdh)	kW	3.91
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	0.00
Dual mode temperature in colder climates (Tbiv)	°C	-10
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)	%	105
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	116
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	139
Tj = -7 °C COP, partial load range in colder climates (COPd)		2.28
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.05
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.4
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2.94
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.13
Tj = 7 °C COP, partial load range in colder climates (COPd)		4.66
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.13
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.25
Tj = 12 °C COP, partial load range in colder climates (COPd)		6.65
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5.97
Tj = 12 °C COP, partial load range in warmer climates (COPd)		5.15
Tj = dual mode temperature in colder climates (COPd)		2.09
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.15
Tj = dual mode temperature in warmer climates (COPd)		2.13
Tj = operating temperature limit in colder climates (COPd)		2.28

Tj = operating temperature limit under moderate climatic conditions (COPd)		2.05
Tj = operating temperature limit in warmer climates (COPd)		2.13
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)		0.00
Heating water operating temperature limit (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 (PSUB)	kW	3.690
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	52
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	4884
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2618
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1467
Flow rate, heat source side	m <sup>3</sup> /h	1300
Annual power consumption in colder climates (AEC)	kWh/a	1663
Annual power consumption in moderate climates (AEC)	kWh/a	1535
Annual power consumption in warmer climates (AEC)	kWh/a	1253
Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions	%	109
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	