



# ENERGY

**STIEBEL ELTRON**

WPL 09 ACS classic  
compact Set S



A+



A

52 dB



- 4 kW
- 5 kW
- 3 kW

2019

811/2013

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

		<b>WPL 09 ACS classic compact Set S</b>
		236632
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	4
Rated heating output in moderate climates for low temperature applications (Prated)	kW	5
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2618
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	2265
Annual power consumption in moderate climates (AEC)	kWh/a	1535
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	116
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	163
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions	%	109
Sound power level external	dB(A)	52
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	5
Rated heating output in colder climates for low temperature applications (Prated)	kW	4
Rated heating output in warmer climates for average temperature applications (Prated)	kW	4
Rated heating output in warmer climates for low temperature applications (Prated)	kW	3
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	4884
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	2757
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1467
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	889
Annual power consumption in colder climates (AEC)	kWh/a	1663
Annual power consumption in warmer climates (AEC)	kWh/a	1253
Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )	%	105
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	150
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	139
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	206
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions	%	101
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions	%	134
Operation exclusively enabled during low load times		-



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**STIEBEL ELTRON**

WPL 09 ACS classic compact Set S

Energy label for heating system: A+ for space heating and A for domestic hot water.

Energy label for space heating: A+

A+++
A++
A+
A
B
C
D
E
F
G

Energy label for domestic hot water (DHW) with features:

- + Solar heating:
- + Tank:
- + Control:
- + Heating system:

Energy label for domestic hot water: A

A+++
A++
A+
A
B
C
D
E
F
G

**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 compact Set S</b>
		236632
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+
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

		<b>WPL 09 ACS classic compact Set S</b>
		236632
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	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	3.4
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	1.9
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.0
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	3.9
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.4
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.3
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	1.2
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	1.5
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.5
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	3.0
Tj = dual mode temperature in warmer climates (Pdh)	kW	4.0
Tj = operating temperature limit in colder climates (Pdh)	kW	3.2
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3.4
Tj = operating temperature limit in warmer climates (Pdh)	kW	3.9
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	0.0
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)		3.40
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

T <sub>j</sub> = operating temperature limit in colder climates (COP <sub>d</sub> )		2.28
T <sub>j</sub> = operating temperature limit under moderate climatic conditions (COP <sub>d</sub> )		2.05
T <sub>j</sub> = operating temperature limit in warmer climates (COP <sub>d</sub> )		2.13
For air/water heat pumps: T <sub>j</sub> = -15 °C (if TOL < -20 °C) (COP <sub>d</sub> )		0.00
Operating temperature limit in colder climates (TOL)	°C	-15
Operating temperature limit in moderate climates (TOL)	°C	-5
Operating temperature limit in warmer climates (TOL)	°C	2
Heating water operating temperature limit (WTOL)	°C	60
Power consumption, OFF state (P <sub>off</sub> )	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 moderate climate (P <sub>sup</sub> )	kW	3.6
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
Load profile		L
Daily power consumption (Q <sub>elec</sub> )	kWh	4.45
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 (Γ <sub>wh</sub> ) 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	