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**STIEBEL ELTRON** WPL 57



55 °C

35 °C



**A+**

**A+**

69 dB

■ 33	■ 32
■ 33	■ 31
■ 32	■ 30
kW	kW

2019

811/2013

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

		<b>WPL 57</b>
		228837
Manufacturer		STIEBEL ELTRON
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+
Rated heating output in moderate climates for average temperature applications (Prated)	kW	33
Rated heating output in moderate climates for low temperature applications (Prated)	kW	31
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	112
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	136
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	23605
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	18523
Sound power level external	dB(A)	69
Rated heating output in colder climates for average temperature applications (Prated)	kW	33
Rated heating output in colder climates for low temperature applications (Prated)	kW	32
Rated heating output in warmer climates for average temperature applications (Prated)	kW	32
Rated heating output in warmer climates for low temperature applications (Prated)	kW	30
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 ( $\eta_s$ )	%	122
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	128
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	159
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	31528
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	25051
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	12709
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	9818



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**STIEBEL ELTRON**

WPL 57






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**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 57</b>
		228837
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	112
Temperature controller class		VII
Contribution of temperature controller to room heating energy efficiency	%	3.5
Room heating energy efficiency of composite system under moderate climatic conditions	%	116
Room heating energy efficiency of composite system under colder climatic conditions	%	107
Room heating energy efficiency of composite system under warmer climatic conditions	%	132
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	9
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	16
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 57</b>
		228837
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
With booster heater		-
Combi boiler with heat pump		-
Rated heating output in colder climates for average temperature applications (Prated)	kW	33
Rated heating output in moderate climates for average temperature applications (Prated)	kW	33
Rated heating output in warmer climates for average temperature applications (Prated)	kW	32
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	25.5
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	30.5
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	30.7
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	38.7
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	26.5
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	23.9
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	21.4
Dual mode temperature in moderate climates (Tbiv)	°C	-5
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)	%	112
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	128
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.3
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2.84
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		3.24
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4.05
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.43
Tj = operating temperature limit under moderate climatic conditions (COPd)		2.12
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		1.84
Heating water operating temperature limit (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	7
Power consumption, thermostat OFF state (PTO)	W	7
Standby power consumption (PSB)	W	7
Power consumption, operating state, with crankcase heating (PCK)	W	25
Booster heater heating output (PSUB)	kW	8.91
Type of energy supply, booster heater		electric
Power control		Fixed
Sound power level external	dB(A)	69
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	31528
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	23605
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	12709
Flow rate, heat source side	m <sup>3</sup> /h	7300