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**STIEBEL ELTRON** WPC 13



**A++**



**A**

Two icons showing sound power levels. The top icon shows a house with sound waves and the text "50 dB". The bottom icon shows a house with sound waves and the text "0 dB".



A legend for power output with three colored squares: dark blue for "16 kW", medium blue for "13 kW", and light blue for "13 kW".

2019

811/2013

		<b>WPC 13</b>
		232930
Manufacturer		STIEBEL ELTRON
Load profile		XL
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 medium temperature applications	kW	12
Rated heating output in moderate climates for low temperature applications	kW	13
Energy consumption of central heating in moderate climates for medium temperature applications	kWh/a	6603
Energy consumption for central heating under moderate climatic conditions, for low temperature applications	kWh/a	5186
Energy consumption for DHW heating under moderate climatic conditions	kWh/a	1540
Energy efficiency for central heating in moderate climates for medium temperature applications	%	142
Energy efficiency for central heating in moderate climates for low temperature applications	%	203
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions	%	113
Sound power level internal	dB(A)	50
Rated heating output in colder climates for medium temperature applications	kW	15
Rated heating output in colder climates for low temperature applications	kW	16
Rated heating output in warmer climates for medium temperature applications	kW	12
Rated heating output in warmer climates for low temperature applications	kW	13
Energy consumption for central heating under colder climatic conditions, for medium temperature applications	kWh/a	9647
Energy consumption for central heating under colder climatic conditions, for low temperature applications	kWh/a	7507
Energy consumption for central heating under warmer climatic conditions, for medium temperature applications	kWh/a	4287
Energy consumption for central heating under warmer climatic conditions, for low temperature applications	kWh/a	3361
Energy consumption for DHW heating under colder climatic conditions	kWh/a	1540
Energy consumption for DHW heating under warmer climatic conditions	kWh/a	1540
Energy efficiency for central heating in colder climates for medium temperature applications	%	147
Energy efficiency for central heating in colder climates for low temperature applications	%	208
Energy efficiency for central heating in warmer climates for medium temperature applications	%	141
Energy efficiency for central heating in warmer climates for low temperature applications	%	202
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions	%	113
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions	%	113
Sound power level external	dB(A)	0
Operation exclusively enabled during low load times		-



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**STIEBEL ELTRON**

WPC 13

**Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013**

			<b>WPC 13</b>
			232930
Manufacturer			STIEBEL ELTRON
Energy efficiency for central heating in moderate climates for medium temperature applications		%	142
Temperature controller class			VII
Contribution of temperature controller to room heating energy efficiency		%	3,50
Room heating energy efficiency of composite system under moderate climatic conditions		%	146
Room heating energy efficiency of composite system under colder climatic conditions		%	151
Room heating energy efficiency of composite system under warmer climatic conditions		%	145
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions		%	5
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions		%	1
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			XL

		<b>WPC 13</b>
		232930
Manufacturer		STIEBEL ELTRON
Heat source		Brine
Low temperature heat pump		-
With booster heater		x
Combi boiler with heat pump		x
Rated heating output in moderate climates for medium temperature applications	kW	12
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12,10
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12,50
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12,80
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	13,10
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	12,00
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	12,00
For air/water heat pumps:Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	12,00
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		3,18
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3,69
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4,08
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4,54
Tj = dual mode temperature under moderate climatic conditions (COPd)		3,05
Tj = operating temperature limit under moderate climatic conditions (COPd)		3,05
For air/water heat pumps:Tj = -15 °C (if TOL < -20 °C) (COPd)		3,05
Dual mode temperature (Tbiv)	°C	-10
Heating water operating temperature limit (WTOL)	°C	65
Power consumption, OFF state (Poff)	W	0,000
Power consumption, thermostat OFF state (PTO)	W	84
Standby power consumption (PSB)	W	9,000
Power consumption, operating state, with crankcase heating (PCK)	W	0,000
Booster heater heating output (PSUB)	kW	0,000
Type of energy supply, booster heater		electric
Power control		Fixed
Sound power level external	dB(A)	0
Sound power level internal	dB(A)	50
Flow rate, heat source side	m <sup>3</sup> /h	3,22
Load profile		XL
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions	%	113
Daily power consumption (Qelec)	kWh	7,07