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**STIEBEL ELTRON**

WPL 18 cool



55 °C

35 °C



A+

A++

57 dB

62 dB

■ 14	■ 13
■ 13	■ 12
■ 12	■ 11
kW	kW

2019

811/2013

**Product datasheet: Room heater to regulation (EU) no. 811/2013**

		<b>WPL 18 cool</b>
		223401
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 medium temperature applications	kW	13
Rated heating output in moderate climates for low temperature applications	kW	12
Energy efficiency for central heating in moderate climates for medium temperature applications	%	122
Energy efficiency for central heating in moderate climates for low temperature applications	%	160
Energy consumption of central heating in moderate climates for medium temperature applications	kWh/a	8583
Energy consumption for central heating under moderate climatic conditions, for low temperature applications	kWh/a	6201
Sound power level internal	dB(A)	57
Rated heating output in colder climates for medium temperature applications	kW	14
Rated heating output in colder climates for low temperature applications	kW	13
Rated heating output in warmer climates for medium temperature applications	kW	12
Rated heating output in warmer climates for low temperature applications	kW	11
Energy efficiency for central heating in colder climates for medium temperature applications	%	112
Energy efficiency for central heating in colder climates for low temperature applications	%	143
Energy efficiency for central heating in warmer climates for medium temperature applications	%	136
Energy efficiency for central heating in warmer climates for low temperature applications	%	187
Energy consumption for central heating under colder climatic conditions, for medium temperature applications	kWh/a	11846
Energy consumption for central heating under colder climatic conditions, for low temperature applications	kWh/a	8758
Energy consumption for central heating under warmer climatic conditions, for medium temperature applications	kWh/a	4640
Energy consumption for central heating under warmer climatic conditions, for low temperature applications	kWh/a	3170
Sound power level external	dB(A)	62



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**STIEBEL ELTRON**

WPL 18 cool






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		<b>WPL 18 cool</b>
		223401
Manufacturer		STIEBEL ELTRON
Energy efficiency for central heating in moderate climates for medium temperature applications	%	122
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	%	126,00
Room heating energy efficiency of composite system under colder climatic conditions	%	116,00
Room heating energy efficiency of composite system under warmer climatic conditions	%	140,00
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	10
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	14
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++

		<b>WPL 18 cool</b>
		223401
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Low temperature heat pump		-
With booster heater		x
Combi boiler with heat pump		-
Rated heating output in moderate climates for medium temperature applications	kW	13
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	10,20
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	11,70
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12,00
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12,20
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	10,50
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	9,70
For air/water heat pumps:Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	9,00
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2,38
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3,08
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		3,68
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4,33
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,55
Tj = operating temperature limit under moderate climatic conditions (COPd)		2,16
For air/water heat pumps:Tj = -15 °C (if TOL < -20 °C) (COPd)		1,83
Dual mode temperature (Tbiv)	°C	-5
Heating water operating temperature limit (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	7,000
Power consumption, thermostat OFF state (PTO)	W	7
Standby power consumption (PSB)	W	7,000
Power consumption, operating state, with crankcase heating (PCK)	W	62,000
Booster heater heating output (PSUB)	kW	3,270
Type of energy supply, booster heater		electric
Power control		Fixed
Sound power level external	dB(A)	62
Sound power level internal	dB(A)	57
Flow rate, heat source side	m³/h	3500