



# ENERGY

**STIEBEL ELTRON** HPA-O 13.1 C Premium



55 °C

35 °C



Icon of a house with sound waves emanating from it, representing the sound power level.

Icon of a house with sound waves entering it, representing the sound power level.

**55 dB**

■ 19	■ 19
■ 14	■ 14
■ 10	■ 10
kW	kW

A map of Europe with shaded regions in three shades of blue, corresponding to the power consumption values listed above.

2019

811/2013

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

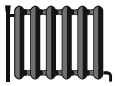
		<b>HPA-O 13.1 C Premium</b>
		206368
Manufacturer		STIEBEL ELTRON
Energy efficiency class for central heating in moderate climates for medium temperature applications		A++
Energy efficiency class for central heating in moderate climates for low temperature applications		A++
Rated heating output in moderate climates for average temperature applications (Prated)	kW	14
Rated heating output in moderate climates for low temperature applications (Prated)	kW	14
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	139
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	171
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	8643
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	6657
Sound power level external	dB(A)	55
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	19
Rated heating output in colder climates for low temperature applications (Prated)	kW	19
Rated heating output in warmer climates for average temperature applications (Prated)	kW	10
Rated heating output in warmer climates for low temperature applications (Prated)	kW	10
Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )	%	115
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	132
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	159
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	200
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	16029
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	14178
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	3330
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	2662



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**STIEBEL ELTRON**

HPA-O 13.1 C Premium



**A<sup>++</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**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>HPA-O 13.1 C Premium</b>
		206368
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	139
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	%	143
Room heating energy efficiency of composite system under colder climatic conditions	%	119
Room heating energy efficiency of composite system under warmer climatic conditions	%	163
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	23
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	21
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

		HPA-O 13.1 C Premium
		206368
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Low temperature heat pump		-
With booster heater		x
Combi boiler with heat pump		-
Rated heating output in colder climates for average temperature applications (Prated)	kW	19
Rated heating output in moderate climates for average temperature applications (Prated)	kW	14
Rated heating output in warmer climates for average temperature applications (Prated)	kW	10
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	11.61
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	13.1
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	6.6
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	8.0
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	10.1
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	7.9
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	8.0
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	8.7
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	9.1
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	9.2
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	9.0
Tj = dual mode temperature in colder climates (Pdh)	kW	11.6
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	13.1
Tj = dual mode temperature in warmer climates (Pdh)	kW	10.1
Tj = operating temperature limit in colder climates (Pdh)	kW	8.7
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	13.4
Tj = operating temperature limit in warmer climates (Pdh)	kW	10.1
Dual mode temperature in colder climates (Tbiv)	°C	-7
Dual mode temperature in moderate climates (Tbiv)	°C	-7
Dual mode temperature in warmer climates (Tbiv)	°C	2
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	115
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	139
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	159
Tj = -7 °C COP, partial load range in colder climates (COPd)		2.58
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.41
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.73
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.48
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.68
Tj = 7 °C COP, partial load range in colder climates (COPd)		4.75
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.37
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.60
Tj = 12 °C COP, partial load range in colder climates (COPd)		5.60
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5.28
Tj = 12 °C COP, partial load range in warmer climates (COPd)		5.00
Tj = dual mode temperature in colder climates (COPd)		2.58
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.41
Tj = dual mode temperature in warmer climates (COPd)		2.68

Tj = operating temperature limit in colder climates (COPd)		1.96
Tj = operating temperature limit under moderate climatic conditions (COPd)		2.27
Tj = operating temperature limit in warmer climates (COPd)		2.68
Operating temperature limit in colder climates (TOL)	°C	-19
Operating temperature limit in moderate climates (TOL)	°C	-10
Operating temperature limit in warmer climates (TOL)	°C	2
Heating water operating temperature limit in colder climates (WTOL)	°C	65
Heating water operating temperature limit (WTOL)	°C	65
Heating water operating temperature limit in warmer climates (WTOL)	°C	65
Power consumption, OFF state (Poff)	W	10
Power consumption, thermostat OFF state (PTO)	W	10
Standby power consumption (PSB)	W	10
Power consumption, operating state, with crankcase heating (PCK)	W	38
Booster heater heating output in colder climates (Psup)	kW	19.2
Booster heater heating output in moderate climate (Psup)	kW	1.3
Booster heater heating output in warmer climates (Psup)	kW	0.0
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	55
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	16029
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	8643
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	3330
Flow rate, heat source side	m <sup>3</sup> /h	4000
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	



# ENERGY

**STIEBEL ELTRON**

HSBC 300.2



**61 W**

**291 L**

Product datasheet: Hot water storage tanks to regulation (EU) no. 812/2013 / (S.I. 2019 No. 539 / Schedule 2)

		<b>HSBC 300.2</b>
		207447
Manufacturer		STIEBEL ELTRON
Energy efficiency class		B
standing loss S	W	61
storage volume V	I	291