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**STIEBEL ELTRON** HPA-O 3 CS Plus flex Set



55 °C

35 °C



**A+**

**A++**

52 dB

■ 4	■ 3
■ 3	■ 4
■ 3	■ 3
kW	kW

2019

811/2013

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

		<b>HPA-O 3 CS Plus flex Set</b>
		239051
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	3
Rated heating output in moderate climates for low temperature applications (Prated)	kW	4
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	113
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	166
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2089
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	1769
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	4
Rated heating output in colder climates for low temperature applications (Prated)	kW	3
Rated heating output in warmer climates for average temperature applications (Prated)	kW	3
Rated heating output in warmer climates for low temperature applications (Prated)	kW	3
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 ( $\eta_s$ )	%	204
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	4016
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	2186
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1187
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	783



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**STIEBEL ELTRON**

HPA-O 3 CS Plus flex Set






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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>HPA-O 3 CS Plus flex Set</b>
		239051
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	113
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	%	117
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+

**Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013**

		<b>HPA-O 3 CS Plus flex Set</b>
		239051
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	4
Rated heating output in moderate climates for average temperature applications (Prated)	kW	3
Rated heating output in warmer climates for average temperature applications (Prated)	kW	3
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.6
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.3
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.5
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	2.4
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3.1
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	0
Dual mode temperature in moderate climates (Tbiv)	°C	-5
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)	%	113
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	139
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.07
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2.93
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.13
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5.97
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.17
Tj = operating temperature limit under moderate climatic conditions (COPd)		2.07
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		0
Operating temperature limit in moderate climates (TOL)	°C	-7
Heating water operating temperature limit (WTOL)	°C	60
Power consumption, OFF state (Poff)	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 (PSUB)	kW	2.93
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	4016
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2089
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1187
Flow rate, heat source side	m <sup>3</sup> /h	1300

Special measures

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For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions