



**ENERG** Y IJA  
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**STIEBEL ELTRON**

HPA-O 8 CS Plus hybrid Set



55 °C

35 °C



A+

A++

57 dB

■ 9	■ 9
■ 8	■ 9
■ 7	■ 8

kW                      kW

2019

811/2013

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

		<b>HPA-O 8 CS Plus hybrid Set</b>
		201604
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	8
Rated heating output in moderate climates for low temperature applications (Prated)	kW	9
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	123
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	176
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4947
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	4253
Sound power level external	dB(A)	57
Rated heating output in colder climates for average temperature applications (Prated)	kW	9
Rated heating output in colder climates for low temperature applications (Prated)	kW	9
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Rated heating output in warmer climates for low temperature applications (Prated)	kW	8
Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )	%	111
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	147
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	158
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	209
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	7599
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	5710
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2226
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	1917



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**STIEBEL ELTRON**

HPA-O 8 CS Plus hybrid Set






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

		<b>HPA-O 8 CS Plus hybrid Set</b>
		201604
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	123
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	%	127
Room heating energy efficiency of composite system under colder climatic conditions	%	115
Room heating energy efficiency of composite system under warmer climatic conditions	%	162
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	12
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	35
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 8 CS Plus hybrid Set</b>
		201604
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Low temperature heat pump		-
With booster heater		-
Combi boiler with heat pump		-
Rated heating output in colder climates for average temperature applications (Prated)	kW	9
Rated heating output in moderate climates for average temperature applications (Prated)	kW	8
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	8,1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5,2
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,5
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,4
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	8,1
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	7,9
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	0
Dual mode temperature in moderate climates (Tbiv)	°C	-7
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	111
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	123
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	158
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2,72
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		4,35
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		6,6
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		6,78
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,72
Tj = operating temperature limit under moderate climatic conditions (COPd)		2,64
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		0
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	1,27
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	57
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	7599
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4947
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2226
Flow rate, heat source side	m³/h	2200