



ENERG

енергия · ενέργεια

Y

IJA

IE

IA

STIEBEL ELTRON

HPA-O 8 CS Plus compact Set S 1.1

Energy label for heating system components. It features a central icon of a boiler with three wavy lines. To its right is a black arrow pointing left with 'A++' written on it. Further right is a radiator icon. Below the boiler icon is another black arrow pointing left, and to its right is a tap icon.

Energy scale for heating system components. It shows a vertical scale of energy efficiency classes from A+++ (green) at the top to G (red) at the bottom. A black arrow on the right points to the A++ class.

Energy label for optional features. It lists four features, each with a plus sign, an icon, and a checkbox:

- Feature 1: Solar panel icon, checkbox is empty.
- Feature 2: Water tank icon, checkbox is empty.
- Feature 3: Hand pointing to a keypad icon, checkbox contains an 'X'.
- Feature 4: Boiler icon, checkbox is empty.

Energy scale for optional features. It shows a vertical scale of energy efficiency classes from A+++ (green) at the top to G (red) at the bottom. A tap icon is positioned to the left of the scale.

Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

		HPA-O 8 CS Plus compact Set S 1.1
		204273
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	125
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	%	129
Room heating energy efficiency of composite system under colder climatic conditions	%	107
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	%	22
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	34
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 8 CS Plus compact Set S 1.1
		204273
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Rated heating output in colder climates for average temperature applications (Prated)	kW	11
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	6
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	6.6
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5.10
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	4
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	4.10
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	6
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.7
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.60
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	3.9
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	3.4
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.30
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	3.3
Tj = dual mode temperature in colder climates (Pdh)	kW	6.6
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	6.10
Tj = dual mode temperature in warmer climates (Pdh)	kW	6
Tj = operating temperature limit in colder climates (Pdh)	kW	1.8
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	5.10
Tj = operating temperature limit in warmer climates (Pdh)	kW	6
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	0.00
Dual mode temperature in colder climates (Tbiv)	°C	-7
Dual mode temperature in moderate climates (Tbiv)	°C	-5
Dual mode temperature in warmer climates (Tbiv)	°C	2
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	103
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	125
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	153
Tj = -7 °C COP, partial load range in colder climates (COPd)		2.4
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.00
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.6
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.30
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.2
Tj = 7 °C COP, partial load range in colder climates (COPd)		5
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.60
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.2
Tj = 12 °C COP, partial load range in colder climates (COPd)		6.2
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		6.0
Tj = 12 °C COP, partial load range in warmer climates (COPd)		5.7
Tj = dual mode temperature in colder climates (COPd)		2.4
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.30
Tj = dual mode temperature in warmer climates (COPd)		2.2
Tj = operating temperature limit in colder climates (COPd)		1.4

Tj = operating temperature limit under moderate climatic conditions (COPd)		2.00
Tj = operating temperature limit in warmer climates (COPd)		2.2
For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)		0.00
Operating temperature limit in colder climates (TOL)	°C	-15
Operating temperature limit in moderate climates (TOL)	°C	-7.000
Operating temperature limit in warmer climates (TOL)	°C	2
Heating water operating temperature limit in colder climates (WTOL)	°C	60
Heating water operating temperature limit (WTOL)	°C	60
Heating water operating temperature limit in warmer climates (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	17.000
Power consumption, thermostat OFF state (PTO)	W	30
Standby power consumption (PSB)	W	17.000
Power consumption, operating state, with crankcase heating (PCK)	W	5.000
Booster heater heating output in colder climates (Psup)	kW	11
Booster heater heating output (PSUB)	kW	8.000
Booster heater heating output in warmer climates (Psup)	kW	0
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	10193
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4865
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2048
Flow rate, heat source side	m ³ /h	2200