



ENERGY

STIEBEL ELTRON

HPA-O 4 CS Plus compact Set 1.1

Icons representing energy efficiency for heating and hot water. A central black arrow points left to 'A+'. To the left is a boiler icon with three wavy lines. To the right is a radiator icon. Below the central arrow is a hot water tap icon.

Energy efficiency scale for heating. A radiator icon is at the top left. A scale of horizontal bars points right, labeled A+++ (green), A++ (light green), A+ (yellow-green), A (yellow), B (orange-yellow), C (orange), D (red-orange), E (red), F (dark red), and G (red). A black arrow on the right points left to 'A+'.

Energy efficiency icons for various features. Each icon is followed by a plus sign and a square checkbox. From top to bottom: solar panel with sun icon, hot water tank icon, control panel with hand icon, and boiler icon with wavy lines.

Energy efficiency scale for hot water. A hot water tap icon is at the top left. A scale of horizontal bars points right, labeled A+++ (green), A++ (light green), A+ (yellow-green), A (yellow), B (orange-yellow), C (orange), D (red-orange), E (red), F (dark red), and G (red).

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 4 CS Plus compact Set 1.1
		204268
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	116
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	%	120
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

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Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Rated heating output in colder climates for average temperature applications (Prated)	kW	5
Rated heating output in moderate climates for average temperature applications (Prated)	kW	4
Rated heating output in warmer climates for average temperature applications (Prated)	kW	4
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	3.24
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.40
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	1.99
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.00
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	3.91
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.45
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.30
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	1.29
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	1.53
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.50
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	1.5
Tj = dual mode temperature in colder climates (Pdh)	kW	3.8
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	3.00
Tj = dual mode temperature in warmer climates (Pdh)	kW	4
Tj = operating temperature limit in colder climates (Pdh)	kW	3.24
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3.40
Tj = operating temperature limit in warmer climates (Pdh)	kW	3.91
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	0.00
Dual mode temperature in colder climates (Tbiv)	°C	-10
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)	%	105
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	116
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	139
Tj = -7 °C COP, partial load range in colder climates (COPd)		2.28
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.05
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.4
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2.94
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.13
Tj = 7 °C COP, partial load range in colder climates (COPd)		4.66
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.13
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.25
Tj = 12 °C COP, partial load range in colder climates (COPd)		6.65
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5.97
Tj = 12 °C COP, partial load range in warmer climates (COPd)		5.15
Tj = dual mode temperature in colder climates (COPd)		2.09
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.15
Tj = dual mode temperature in warmer climates (COPd)		2.13
Tj = operating temperature limit in colder climates (COPd)		2.28

Tj = operating temperature limit under moderate climatic conditions (COPd)		2.05
Tj = operating temperature limit in warmer climates (COPd)		2.13
For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)		0.00
Heating water operating temperature limit (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 (PSUB)	kW	3.690
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	4884
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2618
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1467
Flow rate, heat source side	m ³ /h	1300
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	