



ENERGY

STIEBEL ELTRON

HPA-O 4 CS Plus compact D Set S

Icons representing energy efficiency for heating and hot water. A central black arrow points left with 'A+' written on it. 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 ten horizontal bars points to the 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 with 'A+' written on it.

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

Energy efficiency scale for hot water. A hot water tap icon is at the top left. A scale of ten horizontal bars points to the 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 D Set S
		238997
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (η_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

		HPA-O 4 CS Plus compact D Set S
		238997
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Low temperature heat pump		-
Combi boiler with heat pump		x
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	3
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.4
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2
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	3
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3.4
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)		2.05
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2.94
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)		2.15
Tj = operating temperature limit under moderate climatic conditions (COPd)		2.05
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	3.69
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
Annual power consumption in colder climates (AEC)	kWh/a	949
Annual power consumption in moderate climates (AEC)	kWh/a	905
Annual power consumption in warmer climates (AEC)	kWh/a	717

Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions

%

113

Special measures

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