



ENERGY

STIEBEL ELTRON

HPA-O 6 CS Plus
compact Set S 1.1



A+



Two icons showing sound power level: a speaker icon and a house icon with a speaker icon. Below them is the text "52 dB".



Legend for power output in kW, shown as colored squares: 4 kW (dark blue), 5 kW (medium blue), and 3 kW (light blue).

2019

811/2013

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

		HPA-O 6 CS Plus compact Set S 1.1
		204272
Manufacturer		STIEBEL ELTRON
Load profile		L
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	4
Rated heating output in moderate climates for low temperature applications (Prated)	kW	5
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2618
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	2265
Annual power consumption in moderate climates (AEC)	kWh/a	1007
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	116
Seasonal room heating efficiency in moderate climates for low temperature applications (η_s)	%	163
Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions	%	101,7
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	5
Rated heating output in colder climates for low temperature applications (Prated)	kW	4
Rated heating output in warmer climates for average temperature applications (Prated)	kW	4
Rated heating output in warmer climates for low temperature applications (Prated)	kW	3
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	4884
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	2757
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1467
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	889
Seasonal room heating efficiency in colder climates for average temperature applications (η_s)	%	105
Seasonal room heating efficiency in colder climates for low temperature applications (η_s)	%	150
Seasonal room heating efficiency in warmer climates for average temperature applications (η_s)	%	139
Seasonal room heating efficiency in warmer climates for low temperature applications (η_s)	%	206
Operation exclusively enabled during low load times		-



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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 with a black arrow pointing left.

Energy efficiency scale for heating and hot water. 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 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 tank icon with wavy lines, a control panel icon with a hand pointing, and a boiler icon with three wavy lines. The boxes are empty, empty, contain an 'X', and empty respectively.

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 6 CS Plus compact Set S 1.1
		204272
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+
Load profile		L

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

		HPA-O 6 CS Plus compact Set S 1.1
		204272
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
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	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	3.4
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	1.9
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.0
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	3.9
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.4
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.3
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	1.2
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	1.5
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1.5
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	3.0
Tj = dual mode temperature in warmer climates (Pdh)	kW	4.0
Tj = operating temperature limit in colder climates (Pdh)	kW	3.2
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3.4
Tj = operating temperature limit in warmer climates (Pdh)	kW	3.9
For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	0.0
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)		3.40
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
Operating temperature limit in colder climates (TOL)	°C	-15
Operating temperature limit in moderate climates (TOL)	°C	-5
Operating temperature limit in warmer climates (TOL)	°C	2
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 in moderate climate (Psup)	kW	3.6
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
Load profile		L
Daily power consumption (Qelec)	kWh	4.791
Annual power consumption in moderate climates (AEC)	kWh/a	1007
Energy efficiency for DHW heating (Γ_{wh}) under moderate climatic conditions	%	101,7
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	