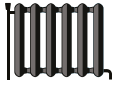




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STIEBEL ELTRON

HPA-O 3 CS Plus
 compact Set



A+



A

Two icons of a house with sound waves emanating from it, one above the other. Below the icons is the text "52 dB".



A legend box containing three entries: a dark blue square labeled "3 kW", a medium blue square labeled "4 kW", and a light blue square labeled "3 kW".

2019

811/2013

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

		HPA-O 3 CS Plus compact Set
		239055
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++
Energy efficiency category for DHW heating under moderate climatic conditions		A
Rated heating output in moderate climates for average temperature applications (Prated)	kW	3
Rated heating output in moderate climates for low temperature applications (Prated)	kW	4
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2089
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	1769
Annual power consumption in moderate climates (AEC)	kWh/a	905
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	113
Seasonal room heating efficiency in moderate climates for low temperature applications (η_s)	%	166
Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions	%	113
Sound power level external	dB(A)	52
Rated heating output in colder climates for average temperature applications (Prated)	kW	4
Rated heating output in colder climates for low temperature applications (Prated)	kW	3
Rated heating output in warmer climates for average temperature applications (Prated)	kW	3
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	4016
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	2186
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1187
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	783
Annual power consumption in colder climates (AEC)	kWh/a	949
Annual power consumption in warmer climates (AEC)	kWh/a	717
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)	%	204
Energy efficiency for DHW heating (η_{wh}) under colder climatic conditions	%	102
Energy efficiency for DHW heating (η_{wh}) under warmer climatic conditions	%	139



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STIEBEL ELTRON

HPA-O 3 CS Plus compact Set

Energy label for heating system components. It shows a boiler icon with an **A+** label, a radiator icon with an **A+** label, and a tap icon with an **A** label.

Energy scale for heating system components. A radiator icon is shown above a scale from **A+++** (green) to **G** (red). A black arrow points to the **A+** level.

Energy label for additional features. It shows four items, each with a plus sign and a checkbox:

- Solar panel:
- Water tank:
- Control panel:
- Boiler:

Energy scale for additional features. A tap icon is shown above a scale from **A+++** (green) to **G** (red). A black arrow points to the **A** level.

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

		HPA-O 3 CS Plus compact Set
		239055
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+
Energy efficiency category for DHW heating 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 3 CS Plus compact Set
		239055
Manufacturer		STIEBEL ELTRON
Heat source		Outside air
Low temperature heat pump		-
With booster heater		x
Combi boiler with heat pump		x
Rated heating output in colder climates for average temperature applications (Prated)	kW	4
Rated heating output in moderate climates for average temperature applications (Prated)	kW	3
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	3,1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1,6
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	2,4
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3,1
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)		2,07
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2,93
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)		2,17
Tj = operating temperature limit under moderate climatic conditions (COPd)		2,07
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		0
Operating temperature limit (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	2,93
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	4016
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2089
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1187
Flow rate, heat source side	m ³ /h	1300
Load profile		L
Daily power consumption (Qelec)	kWh	4,31

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 (Γ_{wh}) under moderate climatic conditions	%	113



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STIEBEL ELTRON

HPA-O 3 CS Plus

A+

A+++
A++
A+
A
B
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D
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F
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A+

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+

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+

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

		HPA-O 3 CS Plus
		238984
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 3 CS Plus
		238984
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	4
Rated heating output in moderate climates for average temperature applications (Prated)	kW	3
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	3,1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	1,6
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	2,4
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	3,1
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)		2,07
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		2,93
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)		2,17
Tj = operating temperature limit under moderate climatic conditions (COPd)		2,07
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	2,93
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	4016
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	2089
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	1187
Flow rate, heat source side	m³/h	1300