ENERGY
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IJA IE IA

STIEBEL ELTRON

WPE-I 07 HW 400 Plus

A+++
A++
A+
A
B
C
D

A++

XL

A+
A
B
C
D
E
F

A

42 dB

8 kW
7 kW
9 kW

2019

811/2013

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

		WPE-I 07 HW 400 Plus
		205835
Manufacturer		STIEBEL ELTRON
Load profile		XL
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	8
Rated heating output in moderate climates for low temperature applications (Prated)	kW	7
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4812
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	3318
Seasonal room heating efficiency in moderate climates for average temperature applications (Ƞs)	%	140
Seasonal room heating efficiency in moderate climates for low temperature applications (Ƞs)	%	191
Energy efficiency for DHW heating (Ƞwh) under moderate climatic conditions	%	104
Sound power level internal	dB(A)	42
Rated heating output in colder climates for average temperature applications (Prated)	kW	8
Rated heating output in colder climates for low temperature applications (Prated)	kW	8
Rated heating output in warmer climates for average temperature applications (Prated)	kW	8
Rated heating output in warmer climates for low temperature applications (Prated)	kW	9
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	5445
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	3989
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2948
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	2293
Seasonal room heating efficiency in colder climates for average temperature applications (Ƞs)	%	142
Seasonal room heating efficiency in colder climates for low temperature applications (Ƞs)	%	196
Seasonal room heating efficiency in warmer climates for average temperature applications (Ƞs)	%	138
Seasonal room heating efficiency in warmer climates for low temperature applications (Ƞs)	%	193

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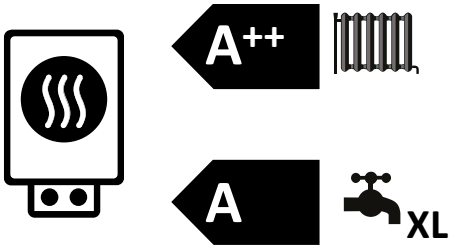
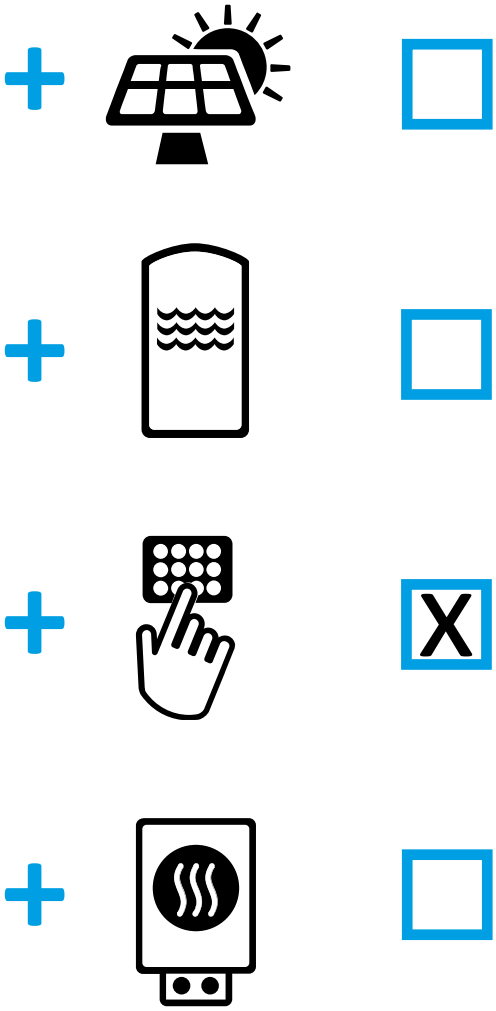
STIEBEL ELTRON

WPE-I 07 HW 400 Plus





2015

811/2013

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

		WPE-I 07 HW 400 Plus
		205835
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (Πs)	%	140
Temperature controller class		III
Room heating energy efficiency of composite system under moderate climatic conditions	%	139
Room heating energy efficiency of composite system under colder climatic conditions	%	143
Room heating energy efficiency of composite system under warmer climatic conditions	%	140
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		XL

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

		WPE-I 07 HW 400 Plus
		205835
Manufacturer		STIEBEL ELTRON
Low temperature heat pump		-
Combi boiler with heat pump		x
Rated heating output in colder climates for average temperature applications (Prated)	kW	8
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	8
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	7
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	6.9
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	7.1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	7.1
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	6.9
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	7.2
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	7.2
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	7.0
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	7.3
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	7.3
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	7.2
Tj = dual mode temperature in colder climates (Pdh)	kW	7.0
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	6.9
Tj = dual mode temperature in warmer climates (Pdh)	kW	6.9
Tj = operating temperature limit in colder climates (Pdh)	kW	6.9
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	6.9
Tj = operating temperature limit in warmer climates (Pdh)	kW	6.9
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	6.8
Dual mode temperature in colder climates (Tbiv)	°C	-16
Dual mode temperature in moderate climates (Tbiv)	°C	-5
Dual mode temperature in warmer climates (Tbiv)	°C	4
Seasonal room heating efficiency in colder climates for average temperature applications (Ƞs)	%	142
Seasonal room heating efficiency in moderate climates for average temperature applications (Ƞs)	%	140
Seasonal room heating efficiency in warmer climates for average temperature applications (Ƞs)	%	138
Tj = -7 °C COP, partial load range in colder climates (COPd)		3.51
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		3.04
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.96
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.73
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.82
Tj = 7 °C COP, partial load range in colder climates (COPd)		4.36
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.12
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.36
Tj = 12 °C COP, partial load range in colder climates (COPd)		4.69
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4,52
Tj = 12 °C COP, partial load range in warmer climates (COPd)		4.18
Tj = dual mode temperature in colder climates (COPd)		3.22
Tj = dual mode temperature under moderate climatic conditions (COPd)		3.23
Tj = dual mode temperature in warmer climates (COPd)		3.09
Tj = operating temperature limit in colder climates (COPd)		2.82

Tj = operating temperature limit under moderate climatic conditions (COPd)		2.82
Tj = operating temperature limit in warmer climates (COPd)		2.82
For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)		2.82
Operating temperature limit in moderate climates (TOL)	°C	-10
Heating water operating temperature limit (WTOL)	°C	65
Power consumption, OFF state (Poff)	W	4
Power consumption, thermostat OFF state (PTO)	W	7
Standby power consumption (PSB)	W	7
Power consumption, operating state, with crankcase heating (PCK)	W	0
Booster heater heating output in colder climates (Psup)	kW	1.4
Booster heater heating output in moderate climate (Psup)	kW	1.7
Booster heater heating output in warmer climates (Psup)	kW	1.2
Type of energy supply, booster heater		electric
Sound power level internal	dB(A)	42
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	5445
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4812
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2948
Flow rate, heat source side	m^3/h	1,26
Load profile		XL
Daily power consumption in colder climates (QELEC)	kWh	7.471
Daily power consumption (Qelec)	kWh	7.471
Daily power consumption in warmer climates (QELEC)	kWh	7.471
Energy efficiency for DHW heating (Ƞwh) under moderate climatic conditions	%	104