



ENERGY

STIEBEL ELTRON WPE-I 17 H 400 Plus



55 °C

35 °C



46 dB

■ 18	■ 20
■ 20	■ 19
■ 18	■ 19
kW	kW

2019

811/2013

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

		WPE-I 17 H 400 Plus
		205833
Manufacturer		STIEBEL ELTRON
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	20
Rated heating output in moderate climates for low temperature applications (Prated)	kW	19
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	140
Seasonal room heating efficiency in moderate climates for low temperature applications (η_s)	%	184
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	11065
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	7818
Sound power level internal	dB(A)	46
Rated heating output in colder climates for average temperature applications (Prated)	kW	18
Rated heating output in colder climates for low temperature applications (Prated)	kW	20
Rated heating output in warmer climates for average temperature applications (Prated)	kW	18
Rated heating output in warmer climates for low temperature applications (Prated)	kW	19
Seasonal room heating efficiency in colder climates for average temperature applications (η_s)	%	144
Seasonal room heating efficiency in colder climates for low temperature applications (η_s)	%	189
Seasonal room heating efficiency in warmer climates for average temperature applications (η_s)	%	141
Seasonal room heating efficiency in warmer climates for low temperature applications (η_s)	%	185
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	12345
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	9456
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	6658
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	5433



ENERGY

STIEBEL ELTRON

WPE-I 17 H 400 Plus



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

+



+



+



+



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 17 H 400 Plus
		205833
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	140
Temperature controller class		III
Room heating energy efficiency of composite system under moderate climatic conditions	%	142
Room heating energy efficiency of composite system under colder climatic conditions	%	145
Room heating energy efficiency of composite system under warmer climatic conditions	%	143
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

		WPE-I 17 H 400 Plus
		205833
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	18
Rated heating output in moderate climates for average temperature applications (Prated)	kW	20
Rated heating output in warmer climates for average temperature applications (Prated)	kW	18
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	16.2
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	15.9
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	16.4
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	16.3
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	15.8
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	16.6
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	16.5
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	16.1
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	16.8
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	16.7
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	16.5
Tj = dual mode temperature in colder climates (Pdh)	kW	16.0
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	16.0
Tj = dual mode temperature in warmer climates (Pdh)	kW	15.9
Tj = operating temperature limit in colder climates (Pdh)	kW	15.8
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	15.8
Tj = operating temperature limit in warmer climates (Pdh)	kW	15.8
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 (ηs)	%	144
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	140
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	141
Tj = -7 °C COP, partial load range in colder climates (COPd)		3.58
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		3.16
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.99
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.71
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.96
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)		4.08
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.45
Tj = 12 °C COP, partial load range in colder climates (COPd)		4.68
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4,50
Tj = 12 °C COP, partial load range in warmer climates (COPd)		4.20
Tj = dual mode temperature in colder climates (COPd)		3.31
Tj = dual mode temperature under moderate climatic conditions (COPd)		3.32
Tj = dual mode temperature in warmer climates (COPd)		3.20
Tj = operating temperature limit in colder climates (COPd)		2.96

T _j = operating temperature limit under moderate climatic conditions (COP _d)		2.96
T _j = operating temperature limit in warmer climates (COP _d)		2.96
Heating water operating temperature limit (WTOL)	°C	65
Power consumption, OFF state (P _{off})	W	6.000
Power consumption, thermostat OFF state (PTO)	W	10
Standby power consumption (PSB)	W	10
Power consumption, operating state, with crankcase heating (PCK)	W	0
Booster heater heating output in colder climates (P _{sup})	kW	3.3
Booster heater heating output in moderate climate (P _{sup})	kW	4.1
Booster heater heating output in warmer climates (P _{sup})	kW	2.8
Type of energy supply, booster heater		electric
Sound power level internal	dB(A)	46
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	12345
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	11065
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	6658
Flow rate, heat source side	m ³ /h	2.88
Load profile		XL
Daily power consumption in colder climates (QELEC)	kWh	9.175
Daily power consumption (Qelec)	kWh	9.175
Daily power consumption in warmer climates (QELEC)	kWh	9.175
Energy efficiency for DHW heating (Γ _{wh}) under moderate climatic conditions	%	85