

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

		<b>WPE-I 13 H 400 Plus</b>
		205832
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	14
Rated heating output in moderate climates for average temperature applications (Prated)	kW	15
Rated heating output in warmer climates for average temperature applications (Prated)	kW	14
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	12.0
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	11.9
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	12.1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12.1
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	11.8
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	9.8
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12.2
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	9.5
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	9.9
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	12.4
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	12.5
Tj = dual mode temperature in colder climates (Pdh)	kW	11.9
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	11.9
Tj = dual mode temperature in warmer climates (Pdh)	kW	11.9
Tj = operating temperature limit in colder climates (Pdh)	kW	11.8
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	11.8
Tj = operating temperature limit in warmer climates (Pdh)	kW	11.8
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)	%	145
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	142
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	143
Tj = -7 °C COP, partial load range in colder climates (COPd)		3.63
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		3.22
Tj = 2 °C COP, partial load range in colder climates (COPd)		4.02
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.76
Tj = 2 °C COP, partial load range in warmer climates (COPd)		3.03
Tj = 7 °C COP, partial load range in colder climates (COPd)		4.39
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.10
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.50
Tj = 12 °C COP, partial load range in colder climates (COPd)		4.70
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		4,53
Tj = 12 °C COP, partial load range in warmer climates (COPd)		4.22
Tj = dual mode temperature in colder climates (COPd)		3.37
Tj = dual mode temperature under moderate climatic conditions (COPd)		3.38
Tj = dual mode temperature in warmer climates (COPd)		3.26
Tj = operating temperature limit in colder climates (COPd)		3.03

T <sub>j</sub> = operating temperature limit under moderate climatic conditions (COP <sub>d</sub> )		3.03
T <sub>j</sub> = operating temperature limit in warmer climates (COP <sub>d</sub> )		3.03
Heating water operating temperature limit (WTOL)	°C	65
Power consumption, OFF state (P <sub>off</sub> )	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 <sub>sup</sub> )	kW	2.3
Booster heater heating output in moderate climate (P <sub>sup</sub> )	kW	2.9
Booster heater heating output in warmer climates (P <sub>sup</sub> )	kW	2.0
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	9120
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	8167
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	4932
Flow rate, heat source side	m <sup>3</sup> /h	2,16
Load profile		XL
Daily power consumption in colder climates (QELEC)	kWh	8.722
Daily power consumption (Qelec)	kWh	8.722
Daily power consumption in warmer climates (QELEC)	kWh	8.722
Energy efficiency for DHW heating (Γ <sub>wh</sub> ) under moderate climatic conditions	%	89