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STIEBEL ELTRON

WPL 17 ACS classic UK compact plus Set S

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

		WPL 17 ACS classic UK compact plus Set S
		238628
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications (η_s)	%	125
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	%	129
Room heating energy efficiency of composite system under colder climatic conditions	%	107
Room heating energy efficiency of composite system under warmer climatic conditions	%	163
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	22
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	34
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

		WPL 17 ACS classic UK compact plus Set S	
		238628	
Manufacturer		STIEBEL ELTRON	
Heat source		Outside air	
Combi boiler with heat pump		-	
Rated heating output in colder climates for average temperature applications (Prated)	kW	11	
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	7	
Tj = -7 °C heating output, partial load range in colder climates (Pdh)	kW	6.6	
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5.10	
Tj = 2 °C heating output, partial load range in colder climates (Pdh)	kW	4	
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	4.10	
Tj = 2 °C heating output, partial load range in warmer climates (Pdh)	kW	6	
Tj = 7 °C heating output, partial load range in colder climates (Pdh)	kW	2.7	
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2.60	
Tj = 7 °C heating output, partial load range in warmer climates (Pdh)	kW	3.9	
Tj = 12 °C heating output, partial load range in colder climates (Pdh)	kW	3.4	
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3.30	
Tj = 12 °C heating output, partial load range in warmer climates (Pdh)	kW	3.3	
Tj = dual mode temperature in colder climates (Pdh)	kW	6.6	
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	6.10	
Tj = dual mode temperature in warmer climates (Pdh)	kW	6	
Tj = operating temperature limit in colder climates (Pdh)	kW	1.8	
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	5.10	
Tj = operating temperature limit in warmer climates (Pdh)	kW	6.7	
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	0.00	
Dual mode temperature in colder climates (Tbiv)	°C	-7	
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)	%	103	
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	125	
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	153	
Tj = -7 °C COP, partial load range in colder climates (COPd)		2.4	
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2.00	
Tj = 2 °C COP, partial load range in colder climates (COPd)		3.6	
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3.30	
Tj = 2 °C COP, partial load range in warmer climates (COPd)		2.2	
Tj = 7 °C COP, partial load range in colder climates (COPd)		5	
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4.60	
Tj = 7 °C COP, partial load range in warmer climates (COPd)		3.5	
Tj = 12 °C COP, partial load range in colder climates (COPd)		6.2	
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		6	
Tj = 12 °C COP, partial load range in warmer climates (COPd)		5.7	
Tj = dual mode temperature in colder climates (COPd)		2.4	
Tj = dual mode temperature under moderate climatic conditions (COPd)		2.30	
Tj = dual mode temperature in warmer climates (COPd)		2.2	
Tj = operating temperature limit in colder climates (COPd)		1.4	

Tj = operating temperature limit under moderate climatic conditions (COPd)		2.00
Tj = operating temperature limit in warmer climates (COPd)		2.2
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	-7.000
Operating temperature limit in warmer climates (TOL)	°C	2
Heating water operating temperature limit in colder climates (WTOL)	°C	60
Heating water operating temperature limit (WTOL)	°C	60
Heating water operating temperature limit in warmer climates (WTOL)	°C	60
Power consumption, OFF state (Poff)	W	17.000
Power consumption, thermostat OFF state (PTO)	W	30
Standby power consumption (PSB)	W	17.000
Power consumption, operating state, with crankcase heating (PCK)	W	5.000
Booster heater heating output in colder climates (Psup)	kW	11
Booster heater heating output (PSUB)	kW	8.000
Booster heater heating output in warmer climates (Psup)	kW	0
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	57
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	10193
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4865
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2048
Flow rate, heat source side	m ³ /h	2200
Special measures	For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions	