

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		LWZ 5 S Smart
		201293
Manufacturer		STIEBEL ELTRON
Heat source		Luft
Low temperature heat pump		x
With auxiliary heater		x
Combination heater with heat pump		x
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	9
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	6
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	7
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	5,3
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	5,5
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,3
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,4
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	6,9
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2,8
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	2,7
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	4,5
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3,2
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	3,2
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	3,2
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	5,3
Tj = dual mode temperature under average climate conditions (Pdh)	kW	5,5
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	6,9
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	2,6
Tj = operating temperature limit under average climate conditions (Pdh)	kW	2,7
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	6,9
Dual mode temperature under colder climate conditions (Tbiv)	°C	-7
Dual mode temperature under average climate conditions (Tbiv)	°C	-7
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	101
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	121
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	134
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,52
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,26
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,50
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3,27
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,50
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4,56
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4,09
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3,28

Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		5,59
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		526,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		4,98
Tj = dual mode temperature under colder climate conditions (COPd)		2,52
Tj = dual mode temperature under average climate conditions (COPd)		2,26
Tj = dual mode temperature under warmer climate conditions (COPd)		2,50
Tj = operating temperature limit under colder climate conditions (COPd)		2,09
Tj = operating temperature limit under average climate conditions (COPd)		1,88
Tj = operating temperature limit under warmer climate conditions (COPd)		2,50
Operating temperature limit under colder climate conditions (TOL)	°C	-20
Operating temperature limit under average climate conditions (TOL)	°C	-10
Operating temperature limit under warmer climate conditions (TOL)	°C	2
Operating temperature limit of heating water under colder climate conditions (WTOL)	°C	60
Operating temperature limit of heating water under average climate conditions (WTOL)	°C	60
Operating temperature limit of heating water under warmer climate conditions (WTOL)	°C	60
Power consumption, off-mode (Poff)	W	27
Power consumption, thermostat off-mode (PTO)	W	63
Power consumption, standby state (PSB)	W	27
Power consumption, operating state, with crankcase heating (PCK)	W	35
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	0,0
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	3,5
Rated heating output of auxiliary heater under warmer climate conditions (PSUP)	kW	3,5
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	52
Sound power level, indoor	dB(A)	52
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	8311
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	4138
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2694
Load profile		XL
Daily power consumption under average climate conditions (QELEC)	kWh	7,000
Annual power consumption under colder climate conditions (AEC)	kWh	2042,000
Annual power consumption under average climate conditions (AEC)	kWh	1676,000
Annual power consumption under warmer climate conditions (AEC)	kWh	1183,000
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s)	%	178
Energy efficiency, DHW heating (η_{wh}), under average climate conditions	%	102
Energy efficiency, DHW heating (η_{wh}), warmer climates	%	145