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

		HPA-O 24 Trend CN
		202199
Manufacturer		STIEBEL ELTRON
Heat source		Außenluft
With auxiliary heater		-
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	34
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	33
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	31
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	24,9
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	25,5
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	30,3
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	30,5
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	31,2
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	30,8
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	30,7
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	30,3
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	38,9
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	38,7
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	38,4
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	23,1
Tj = dual mode temperature under average climate conditions (Pdh)	kW	26,5
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	31,2
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	17,7
Tj = operating temperature limit under average climate conditions (Pdh)	kW	23,9
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	31,2
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	21,4
Dual mode temperature under colder climate conditions (Tbiv)	°C	-10
Dual mode temperature under average climate conditions (Tbiv)	°C	-5
Dual mode temperature under warmer climate conditions (Tbiv)	°C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	92
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	110
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	108
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,48
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,30
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		2,98
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		2,84
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,53
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		3,40
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		3,24
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		2,90

Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,16
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		405,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		3,87
Tj = dual mode temperature under colder climate conditions (COPd)		2,32
Tj = dual mode temperature under average climate conditions (COPd)		2,43
Tj = dual mode temperature under warmer climate conditions (COPd)		2,53
Tj = operating temperature limit under colder climate conditions (COPd)		1,73
Tj = operating temperature limit under average climate conditions (COPd)		2,12
Tj = operating temperature limit under warmer climate conditions (COPd)		2,53
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		1,84
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	7
Power consumption, thermostat off-mode (PTO)	W	7
Power consumption, standby state (PSB)	W	7
Power consumption, operating state, with crankcase heating (PCK)	W	25
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	9,1
Type of energy supply, auxiliary heater		elektrisch
Output control		fest
Sound power level, outdoor	dB(A)	69
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	35394
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	24031
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	14885
Flow rate on heat source side	m³/h	7300