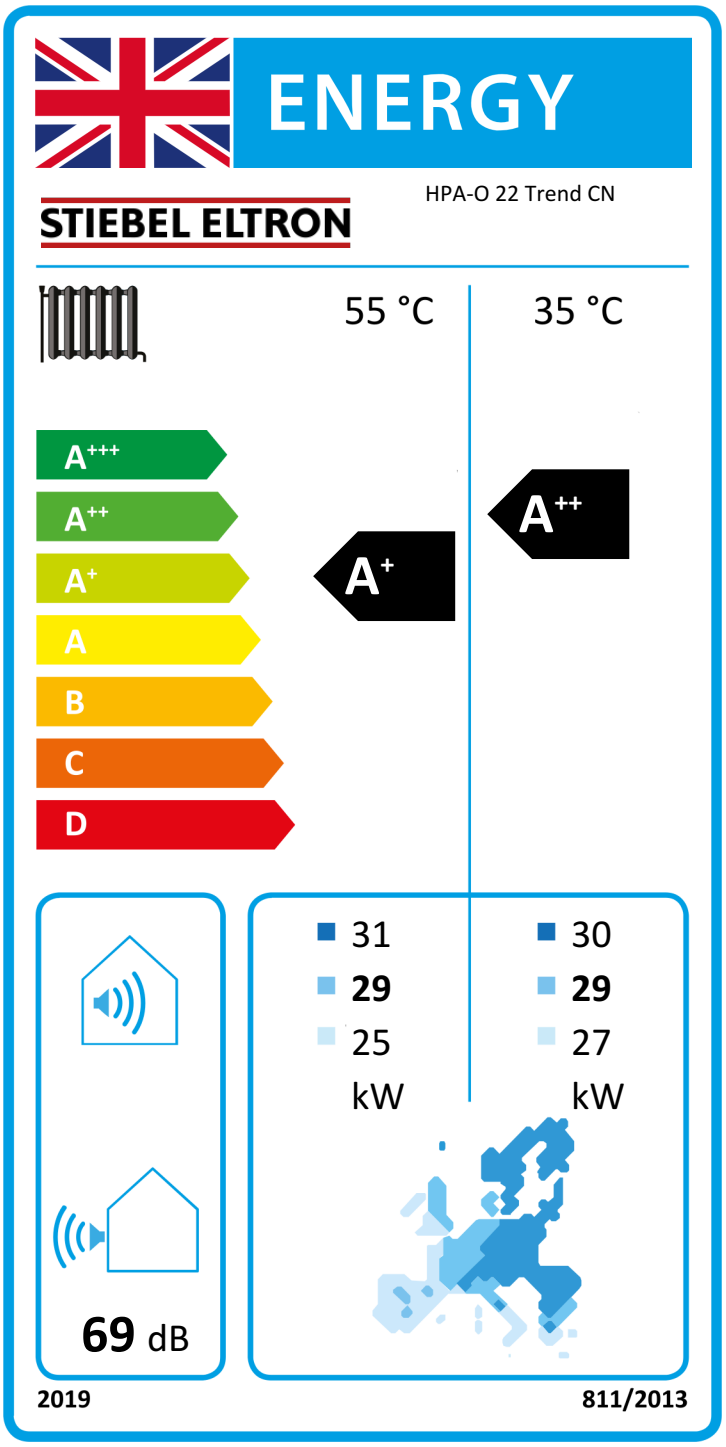

ENERGY
HPA-O 22 Trend CN
STIEBEL ELTRON
55 °C
35 °C
A+++
A++
A+
A
B
C
D
A+
A++
31
29
25
kW
30
29
27
kW
69 dB
2019
811/2013

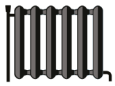
Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

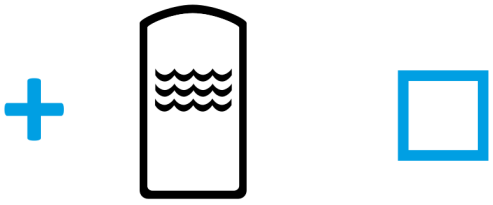
		HPA-O 22 Trend CN
		202192
Manufacturer		STIEBEL ELTRON
Space heating energy efficiency class under average climate conditions, medium-temperature applications		A+
Energy efficiency class, space heating under average climate conditions, low-temperature applications		A++
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	29
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	29
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	111
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	149
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	20964
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	15805
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	31
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	30
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	25
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	27
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs)	%	99
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs)	%	124
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	106
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs)	%	145
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	29861
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	23368
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	12229
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	9746
Sound power level, outdoor	dB(A)	69

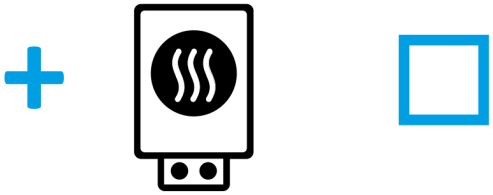
ENERGY

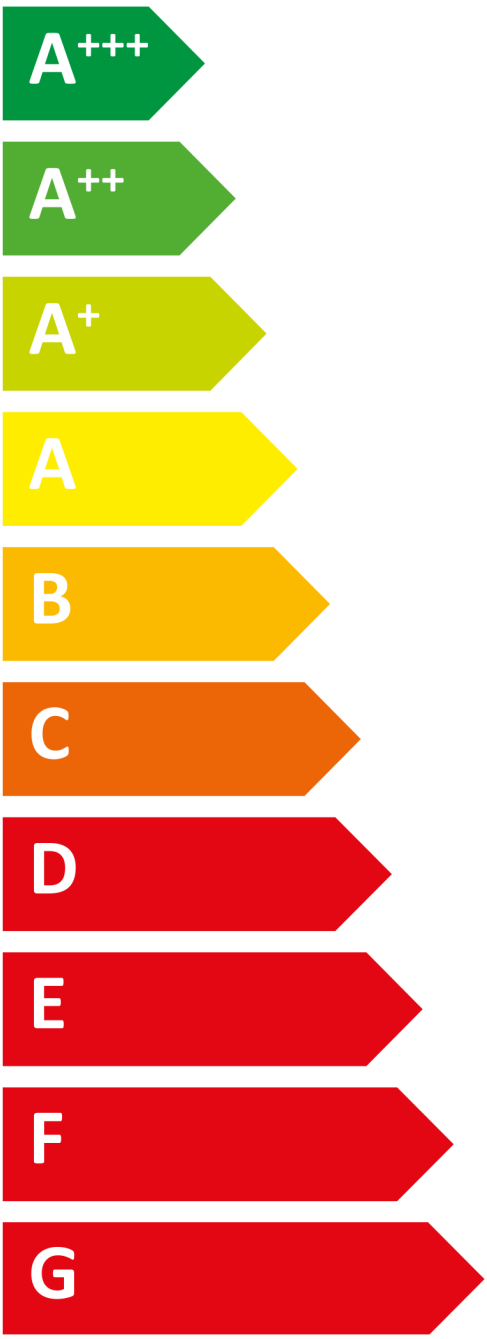
HPA-O 22 Trend CN

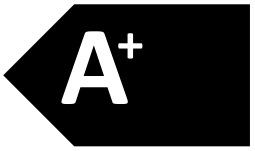
STIEBEL ELTRON











2015 **811/2013**

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

		HPA-O 22 Trend CN
		202192
Manufacturer		STIEBEL ELTRON
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs)	%	149
Temperature control class		VII
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	117
Space heating energy efficiency of package under colder climate conditions	%	114
Space heating energy efficiency of package under warmer climate conditions	%	127
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	3
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	10
Energy efficiency class, space heating under average climate conditions, low-temperature applications		A++
Space heating energy efficiency class of package under average climate conditions		A+

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

		HPA-O 22 Trend CN
		202192
Manufacturer		STIEBEL ELTRON
With auxiliary heater		-
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	31
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	29
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	25
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	22,4
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	22,7
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	26,1
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	25,8
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	25,0
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	27,1
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	26,8
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	26,2
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	26,7
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	26,6
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	26,5
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	21,4
Tj = dual mode temperature under average climate conditions (Pdh)	kW	23,2
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	25,0
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	19,3
Tj = operating temperature limit under average climate conditions (Pdh)	kW	22,1
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	25,0
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	21,5
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 (ɳs)	%	99
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs)	%	111
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs)	%	106
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2,60
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2,33
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3,09
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		2,78
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2,18
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		3,76
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		3,43
Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		2,81

Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		4,29
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		41,00
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		3,78
Tj = dual mode temperature under colder climate conditions (COPd)		2,50
Tj = dual mode temperature under average climate conditions (COPd)		2,41
Tj = dual mode temperature under warmer climate conditions (COPd)		2,18
Tj = operating temperature limit under colder climate conditions (COPd)		2,35
Tj = operating temperature limit under average climate conditions (COPd)		2,26
Tj = operating temperature limit under warmer climate conditions (COPd)		2,18
For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd)		2,23
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	6,9
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	29861
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	20964
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	12229
Flow rate on heat source side	m^3/h	7000