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HPA-O 13 S Premium

STIEBEL ELTRON



55 °C

35 °C



0 dB

55 dB

■ 22	■ 21
■ 15	■ 15
■ 7	■ 8
kW	kW

2019

811/2013

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

		HPA-O 13 S Premium
		238980
Manufacturer		STIEBEL ELTRON
Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D)		A++
Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)		A++
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	15
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	15
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s)	%	136
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	173
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	8940
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	7055
Sound power level, indoor	dB(A)	0
Option for operation only at off-peak times		-
Special measures		Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: Siehe Installation- und Montageanweisung
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	22
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	21
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	7
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	8
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η_s)	%	126
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η_s)	%	153
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η_s)	%	155
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s)	%	206
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	16814
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	13312
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2367
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	2050
Sound power level, outdoor	dB(A)	55



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+		<input type="checkbox"/>
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Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		HPA-O 13 S Premium
		238980
Manufacturer		STIEBEL ELTRON
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	173
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	140
Space heating energy efficiency of package under colder climate conditions	%	130
Space heating energy efficiency of package under warmer climate conditions	%	159
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	6
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	20
Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)		A++
Space heating energy efficiency class of package under average climate conditions (A+++ -> D)		A++

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

		HPA-O 13 S Premium
		238980
Manufacturer		STIEBEL ELTRON
Heat source		Außenluft
Low temperature heat pump		-
With auxiliary heater		-
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	22
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	15
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	13.5
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	13.8
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	7.9
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	7.7
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	7.4
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	8
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	7.9
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	7.7
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	7.1
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	9
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	6.9
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	12.8
Tj = dual mode temperature under average climate conditions (Pdh)	kW	12.4
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	7.4
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	23.2
Tj = operating temperature limit under average climate conditions (Pdh)	kW	13.4
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	7.4
For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	13.4
Dual mode temperature under colder climate conditions (Tbiv)	Grad C	-7
Dual mode temperature under average climate conditions (Tbiv)	Grad C	-5
Dual mode temperature under warmer climate conditions (Tbiv)	Grad C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	126
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	136
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	155
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		2.6
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2.4
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		3.8
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		3.4
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2.6
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		4.9
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		4.5

Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		3.6
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		6.3
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		6.7
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		5.5
Tj = dual mode temperature under colder climate conditions (COPd)		2.9
Tj = dual mode temperature under average climate conditions (COPd)		2.5
Tj = dual mode temperature under warmer climate conditions (COPd)		2.6
Tj = operating temperature limit under colder climate conditions (COPd)		2.3
Tj = operating temperature limit under average climate conditions (COPd)		2.3
Tj = operating temperature limit under warmer climate conditions (COPd)		2.6
For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)		2.3
Operating temperature limit under colder climate conditions (TOL)	Grad C	-20
Operating temperature limit under average climate conditions (TOL)	Grad C	-10
Operating temperature limit under warmer climate conditions (TOL)	Grad C	2
Operating temperature limit of heating water under colder climate conditions (WTOL)	Grad C	65
Operating temperature limit of heating water under average climate conditions (WTOL)	Grad C	65
Operating temperature limit of heating water under warmer climate conditions (WTOL)	Grad C	65
Power consumption, off-mode (Poff)	Watt	16
Power consumption, thermostat off-mode (PTO)	Watt	16
Power consumption, standby state (PSB)	Watt	16
Power consumption, operating state, with crankcase heating (PCK)	Watt	43
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	10.9
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	1.6
Rated heating output of auxiliary heater under warmer climate conditions (PSUP)	kW	0
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	55
Sound power level, indoor	dB(A)	0
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	16814
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	8940
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	2367
Flow rate on heat source side	m ³ /h	4000
Special measures	Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: Siehe Installation- und Montageanweisung	