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STIEBEL ELTRON

HPA-O 05.2 Plus HC 400



55 °C

35 °C



A+++

A+++



- dB



43 dB

■ 5
■ 6
■ 6

kW

■ 5
■ 6
■ 5

kW



2019

811/2013

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

		HPA-O 05.2 Plus HC 400
		210290
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	6
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	6
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s)	%	160
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	211
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2976
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	2285
Sound power level, indoor		-
Option for operation only at off-peak times		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	5
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	5
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	6
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	5
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η_s)	%	140
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η_s)	%	184
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η_s)	%	188
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s)	%	263
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	3436
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	2835
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1558
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	1101
Sound power level, outdoor	dB(A)	43



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HPA-O 05.2 Plus HC 400

STIEBEL ELTRON



A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A⁺⁺⁺

+



+



+



+



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		HPA-O 05.2 Plus HC 400
		210290
Manufacturer		STIEBEL ELTRON
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	211
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	164
Space heating energy efficiency of package under colder climate conditions	%	144
Space heating energy efficiency of package under warmer climate conditions	%	192
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	20
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	28
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+++

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		210290
Manufacturer		STIEBEL ELTRON
Heat source		Luft
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	5
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	6
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	5.2
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2.3
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	3.2
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	5.6
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	2.8
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	3.6
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3.3
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	4.1
Tj = dual mode temperature under average climate conditions (Pdh)	kW	5.2
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	5.6
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	3
Tj = operating temperature limit under average climate conditions (Pdh)	kW	4.6
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	5.6
For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	4.1
Dual mode temperature under colder climate conditions (Tbiv)	Grad C	-15
Dual mode temperature under average climate conditions (Tbiv)	Grad C	-7
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)	%	140
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	160
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	188
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3.1
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2.8
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		4.2
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		4.1
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2.9
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		5.3
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		5.1

Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		4.2
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		6.7
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		6.5
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		6
Tj = dual mode temperature under colder climate conditions (COPd)		2.4
Tj = dual mode temperature under average climate conditions (COPd)		2.8
Tj = dual mode temperature under warmer climate conditions (COPd)		2.9
Tj = operating temperature limit under colder climate conditions (COPd)		1.8
Tj = operating temperature limit under average climate conditions (COPd)		2.5
Tj = operating temperature limit under warmer climate conditions (COPd)		2.9
For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)		2.4
Operating temperature limit under colder climate conditions (TOL)	Grad C	-22
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	75
Operating temperature limit of heating water under average climate conditions (WTOL)	Grad C	75
Operating temperature limit of heating water under warmer climate conditions (WTOL)	Grad C	75
Power consumption, off-mode (Poff)	Watt	9
Power consumption, thermostat off-mode (PTO)	Watt	18
Power consumption, standby state (PSB)	Watt	9
Power consumption, operating state, with crankcase heating (PCK)	Watt	0
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	2
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	1.2
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)	43
Sound power level, indoor		-
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	3436
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2976
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1558
Flow rate on heat source side	m3/h	2740