



ENERGY

STIEBEL ELTRON HPA-O 13 CS Premium



55 °C

35 °C



A++

A+++

55 dB

| | |
|------|------|
| ■ 22 | ■ 21 |
| ■ 15 | ■ 15 |
| ■ 7 | ■ 8 |
| kW | kW |

2019

811/2013

Product datasheet: Room heater to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

| | | HPA-O 13 CS Premium |
|---|---|----------------------------|
| | | 238981 |
| Manufacturer | | STIEBEL ELTRON |
| Energy efficiency class for central heating in moderate climates for medium temperature applications | | A++ |
| Energy efficiency class for central heating in moderate climates for low temperature applications | | A+++ |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 15 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 15 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 139 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 178 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 8723 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 6839 |
| Sound power level external | dB(A) | 55 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 22 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 21 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 7 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 8 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 127 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 154 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 174 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 236 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 16684 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 13182 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 2107 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 1789 |



ENERGY

STIEBEL ELTRON

HPA-O 13 CS Premium



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

+



+



+



+



Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

| | | HPA-O 13 CS Premium |
|---|---|----------------------------|
| | | 238981 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 139 |
| Temperature controller class | | VI |
| Contribution of temperature controller to room heating energy efficiency | % | 4.0 |
| Room heating energy efficiency of composite system under moderate climatic conditions | % | 143 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 131 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 178 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 8 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 32 |
| Energy efficiency class for central heating in moderate climates for medium temperature applications | | A++ |
| Room heating energy efficiency class of composite system under moderate climatic conditions | | A++ |

Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013

| | | HPA-O 13 CS Premium |
|---|----|----------------------------|
| | | 238981 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Outside air |
| With booster heater | | x |
| Combi boiler with heat pump | | - |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 22 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 15 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 7 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 13.5 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 13.8 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 14.0 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 7.9 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.7 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.4 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 8.0 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.9 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.7 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 7.1 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 9.0 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 6.9 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 12.8 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 12.4 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 7.4 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 23.2 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 13.4 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 7.4 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 13.4 |
| Dual mode temperature in colder climates (Tbiv) | °C | -7 |
| Dual mode temperature in moderate climates (Tbiv) | °C | -5 |
| Dual mode temperature in warmer climates (Tbiv) | °C | 2 |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs) | % | 127 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 139 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 174 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.65 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.43 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.36 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.75 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.37 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.59 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.86 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.45 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.60 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 6.35 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 6.66 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 5.51 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.90 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.53 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.59 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.28 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.28 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.59 |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd) | | 2.28 |
| Operating temperature limit in colder climates (TOL) | °C | -20 |
| Operating temperature limit in moderate climates (TOL) | °C | -10 |
| Operating temperature limit in warmer climates (TOL) | °C | 2 |
| Heating water operating temperature limit in colder climates (WTOL) | °C | 65 |
| Heating water operating temperature limit (WTOL) | °C | 65 |
| Heating water operating temperature limit in warmer climates (WTOL) | °C | 65 |
| Power consumption, OFF state (Poff) | W | 16 |
| Power consumption, thermostat OFF state (PTO) | W | 16 |
| Standby power consumption (PSB) | W | 16 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 43 |
| Booster heater heating output in colder climates (Psup) | kW | 10.9 |
| Booster heater heating output in moderate climate (Psup) | kW | 1.6 |
| Booster heater heating output in warmer climates (Psup) | kW | 0.0 |
| Type of energy supply, booster heater | | electric |
| Power control | | variable |
| Sound power level external | dB(A) | 55 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 16684 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 8723 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 2107 |
| Flow rate, heat source side | m ³ /h | 4000 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |