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STIEBEL ELTRON HPA-O 13 Premium



55 °C

35 °C



Icon of a house with sound waves emanating from it, representing sound power level.

Icon of a house with sound waves entering it, representing sound power level.

55 dB

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

A map of Europe with various regions shaded in different shades of blue, corresponding to the power consumption values listed above.

2019

811/2013

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

| | | HPA-O 13 Premium |
|---|-------|---|
| | | 238982 |
| 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) | % | 141 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 182 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 8620 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 6689 |
| 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 | 8 |
| 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) | % | 124 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 159 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 163 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 219 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 16285 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 12796 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 2581 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 1930 |



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STIEBEL ELTRON

HPA-O 13 Premium






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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 Premium |
|---|---|-------------------------|
| | | 238982 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 141 |
| Temperature controller class | | VI |
| Contribution of temperature controller to room heating energy efficiency | % | 4 |
| Room heating energy efficiency of composite system under moderate climatic conditions | % | 145 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 134 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 167 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 9 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 24 |
| 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 Premium |
|---|----|-------------------------|
| | | 238982 |
| 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 | 8 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 13.3 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 13.80 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 13.9 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 8.3 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 8.40 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 8.4 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 7.9 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.80 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.5 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 6.7 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 9.00 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 6.4 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 15.2 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 12.50 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 8.4 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 12.8 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 13.40 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 8.4 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 13.40 |
| Dual mode temperature in colder climates (Tbiv) | °C | -10 |
| 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) | % | 124 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 141 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 163 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.67 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.48 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.42 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.92 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.51 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.74 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 5.12 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.61 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.64 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 7.08 |
| 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) | | 6.25 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.9 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.59 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.74 |
| 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) | | 2.74 |
| 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 | -10.000 |
| 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 | 10.000 |
| Power consumption, thermostat OFF state (PTO) | W | 10 |
| Standby power consumption (PSB) | W | 10.000 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 38.000 |
| Booster heater heating output in colder climates (Psup) | kW | 10.9 |
| Booster heater heating output (PSUB) | kW | 1.600 |
| Booster heater heating output in warmer climates (Psup) | kW | 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 | 16285 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 8620 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 2581 |
| 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 | |