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STIEBEL ELTRON HPA-O 7 CS Premium



55 °C

35 °C



A++

A++

50 dB

| | |
|------|------|
| ■ 12 | ■ 11 |
| ■ 8 | ■ 8 |
| ■ 4 | ■ 4 |
| kW | kW |

2019

811/2013

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

| | | HPA-O 7 CS Premium |
|---|---|---------------------------|
| | | 238977 |
| 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 | 8 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 8 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 127 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 159 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 5084 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 4086 |
| Sound power level external | dB(A) | 50 |
| 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 | 12 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 11 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 4 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 4 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 119 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 140 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 142 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 190 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 9351 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 7597 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1489 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 1106 |



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STIEBEL ELTRON

HPA-O 7 CS 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 7 CS Premium |
|---|---|---------------------------|
| | | 238977 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 127 |
| 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 | % | 131 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 123 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 146 |
| 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 | % | 15 |
| 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 7 CS Premium |
|---|----|--------------------|
| | | 238977 |
| 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 | 12 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 8 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 4 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 7 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.10 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.1 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 4.2 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 4.20 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 4 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 4.3 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 4.20 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 3.9 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 4.1 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 4.00 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 3.8 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 7.9 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 7.40 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 4 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 11.4 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 7.00 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 4 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 7.00 |
| Dual mode temperature in colder climates (Tbiv) | °C | -10 |
| Dual mode temperature in moderate climates (Tbiv) | °C | -8 |
| Dual mode temperature in warmer climates (Tbiv) | °C | 2 |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs) | % | 119 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 127 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 142 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.45 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.18 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.1 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.7 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.30 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.5 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.53 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.07 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.16 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 5.44 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 5.14 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 4.57 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.28 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.13 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.5 |
| Tj = operating temperature limit in colder climates (COPd) | | 1.97 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 1.97 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.5 |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd) | | 1.97 |
| 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 | 2.3 |
| Booster heater heating output (PSUB) | kW | 1.00 |
| 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) | 50 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 9351 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 5084 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1489 |
| Flow rate, heat source side | m ³ /h | 2300 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |