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Y IJA IE IA

**STIEBEL ELTRON** HPA-O 3 CS Plus flex Set

| | 55 °C | 35 °C |
|---|---|---|
| | A+ | A++ |
| | 4 | 3 |
| | **3** | **4** |
| | 3 | 3 |
| | kW | kW |

A+++
A++
A+
A
B
C
D

**52** dB

**2019** **811/2013**

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

| | | **HPA-O 3 CS Plus flex Set** |
|---|---|---|
| | | 239051 |
| 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 | 3 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 4 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (Ƞs) | % | 113 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (Ƞs) | % | 166 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 2089 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 1769 |
| Sound power level external | dB(A) | 52 |
| 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 | 4 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 3 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 3 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 3 |
| Seasonal room heating efficiency in colder climates for average temperature applications (Ƞs) | % | 105 |
| Seasonal room heating efficiency in colder climates for low temperature applications (Ƞs) | % | 150 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (Ƞs) | % | 139 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (Ƞs) | % | 204 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 4016 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 2186 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1187 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 783 |

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STIEBEL ELTRON

HPA-O 3 CS Plus flex Set

A+

| | |
|---|---|
| + | ☐ |
| + | ☐ |
| + | ☒ |
| + | ☐ |

A+++
A++
A+
A
B
C
D
E
F
G

A+

2015

811/2013

**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 3 CS Plus flex Set** |
|---|---|---|
| | | 239051 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (Ƞs) | % | 113 |
| 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 | % | 117 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 109 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 143 |
| 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 | % | 26 |
| 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 3 CS Plus flex Set |
|---|---|---|
| | | 239051 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Outside air |
| Low temperature heat pump | | - |
| With booster heater | | - |
| Combi boiler with heat pump | | - |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 4 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 3 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 3 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 2.65 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 3.1 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 1.6 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 1.6 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 3.1 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 1.2 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 1.3 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 2.0 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 1.5 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 1.5 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 1.5 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 3.0 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 2.4 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 3.1 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 2.6 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 3.1 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 3.1 |
| For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh) | kW | 0.0 |
| 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 (Ƒs) | % | 105 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (Ƒs) | % | 113 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (Ƒs) | % | 139 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.30 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.07 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.45 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.93 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.19 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.66 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.13 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.27 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 6.65 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 5.97 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 5.15 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.09 |
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.17 |

| | | |
|---|---|---|
| Tj = dual mode temperature in warmer climates (COPd) | | 2.19 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.30 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.07 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.19 |
| For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd) | | 0 |
| Operating temperature limit in colder climates (TOL) | °C | -15 |
| Operating temperature limit in moderate climates (TOL) | °C | -7 |
| Operating temperature limit in warmer climates (TOL) | °C | 2 |
| Heating water operating temperature limit (WTOL) | °C | 60 |
| Power consumption, OFF state (Poff) | W | 17 |
| Power consumption, thermostat OFF state (PTO) | W | 30 |
| Standby power consumption (PSB) | W | 17 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 5 |
| Booster heater heating output in moderate climate (Psup) | kW | 2.93 |
| Type of energy supply, booster heater | | electric |
| Power control | | variable |
| Sound power level external | dB(A) | 52 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 4016 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 2089 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1187 |
| Flow rate, heat source side | $m^3/h$ | 1300 |
| Special measures | | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |