



ENERGY

STIEBEL ELTRON WPF 16



55 °C

35 °C



53 dB

| | |
|------|------|
| ■ 20 | ■ 21 |
| ■ 16 | ■ 17 |
| ■ 16 | ■ 17 |
| kW | kW |

2019

811/2013

Product datasheet: Room heater to regulation (EU) no. 811/2013

| | | WPF 16 |
|---|-------|---|
| | | 232914 |
| 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 | 16 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 17 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 134 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 189 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 9198 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 7128 |
| Sound power level internal | dB(A) | 53 |
| 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 | 20 |
| 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 | 16 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 17 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 138 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 194 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 133 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 188 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 13352 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 10274 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 5987 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 4635 |



ENERGY

STIEBEL ELTRON

WPF 16



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

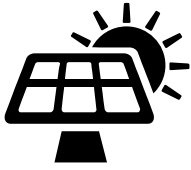
D

E

F

G

+



+



+



+



Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013

| | | WPF 16 |
|---|---|----------------|
| | | 232914 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 134 |
| Temperature controller class | | VII |
| Contribution of temperature controller to room heating energy efficiency | % | 3.5 |
| Room heating energy efficiency of composite system under moderate climatic conditions | % | 138 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 142 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 137 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 4 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 1 |
| 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

| | | WPF 16 |
|---|----|----------------|
| | | 232914 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Brine |
| With booster heater | | x |
| Combi boiler with heat pump | | - |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 20 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 16 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 16 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 16.3 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 15.9 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 15.8 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 16.6 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 16.3 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 15.8 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 16.8 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 16.6 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 16.1 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 17 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 16.9 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 16.7 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 16.1 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 15.8 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 15.8 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 15.8 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 15.8 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 15.8 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 15.8 |
| Dual mode temperature in colder climates (Tbiv) | °C | -15 |
| Dual mode temperature in moderate climates (Tbiv) | °C | -10 |
| Dual mode temperature in warmer climates (Tbiv) | °C | 2 |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs) | % | 138 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 134 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 133 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 3.47 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.01 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.89 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.84 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.49 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.89 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.19 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.85 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.26 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 4.47 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.27 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 3.98 |
| Tj = dual mode temperature in colder climates (COPd) | | 3.27 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.89 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.89 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.89 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.89 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.89 |
| For air/water heat pumps:Tj= -15 °C (if TOL< -20 °C) (COPd) | | 2.89 |
| Heating water operating temperature limit (WTOL) | °C | 65 |
| Power consumption, OFF state (Poff) | W | 0 |
| Power consumption, thermostat OFF state (PTO) | W | 139 |
| Standby power consumption (PSB) | W | 9 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 0 |
| Booster heater heating output (PSUB) | kW | 0 |
| Type of energy supply, booster heater | | electric |
| Power control | | Fixed |
| Sound power level internal | dB(A) | 53 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 13352 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 9198 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 5987 |
| Flow rate, heat source side | m ³ /h | 4,20 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |