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STIEBEL ELTRON WPF 16 M



55 °C

35 °C



A+

A+++

53 dB

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

2019

811/2013

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

| | | WPF 16 M |
|---|-------|---|
| | | 220894 |
| 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) | % | 119 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 187 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 10196 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 7185 |
| 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) | % | 124 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 195 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 120 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 191 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 14686 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 10238 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 6525 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 4560 |



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WPF 16 M






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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)

| | | WPF 16 M |
|---|---|-----------------|
| | | 220894 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 119 |
| Temperature controller class | | VII |
| Contribution of temperature controller to room heating energy efficiency | % | 3.50 |
| Room heating energy efficiency of composite system under moderate climatic conditions | % | 123 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 128 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 124 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 5 |
| 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 M |
|---|----|-----------------|
| | | 220894 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Brine |
| With booster heater | | - |
| 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 | 16.2 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 15.80 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 15.6 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 16.5 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 16.20 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 15.6 |
| 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 | 16.50 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 16 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 16.9 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 16.80 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 16.6 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 16 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 15.60 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 15.6 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 15.6 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 15.60 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 15.6 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 15.60 |
| 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) | % | 124 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 119 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 120 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 3.08 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.58 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.46 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.49 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.09 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.46 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 3.9 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.50 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 2.85 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 4.25 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.01 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 3.66 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.86 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.46 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.46 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.46 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.46 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.46 |
| For air/water heat pumps:Tj= -15 °C (if TOL< -20 °C) (COPd) | | 2.46 |
| Heating water operating temperature limit (WTOL) | °C | 60 |
| Power consumption, OFF state (Poff) | W | 0.000 |
| Power consumption, thermostat OFF state (PTO) | W | 3 |
| Standby power consumption (PSB) | W | 3.000 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 0.000 |
| Booster heater heating output (PSUB) | kW | 0.000 |
| 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 | 14686 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 10196 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 6525 |
| Flow rate, heat source side | m ³ /h | 3.8 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |