



ENERGY

STIEBEL ELTRON WPL 18 E



55 °C

35 °C



A+

A++

57 dB

65 dB

| | |
|------|------|
| ■ 14 | ■ 13 |
| ■ 13 | ■ 12 |
| ■ 12 | ■ 11 |
| kW | kW |

2019

811/2013

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

| | | WPL 18 E |
|---|-------|---|
| | | 227757 |
| 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 | 13 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 12 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 121 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 157 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 8684 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 6404 |
| Sound power level internal | dB(A) | 57 |
| Sound power level external | dB(A) | 65 |
| 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 | 14 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 13 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 12 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 11 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 111 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 143 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 137 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 180 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 11972 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 8929 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 4592 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 3294 |



ENERGY

STIEBEL ELTRON

WPL 18 E



A⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A⁺

| | | |
|---|--|-------------------------------------|
| + | | <input type="checkbox"/> |
| + | | <input type="checkbox"/> |
| + | | <input checked="" type="checkbox"/> |
| + | | <input type="checkbox"/> |

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

| | | WPL 18 E |
|---|---|-----------------|
| | | 227757 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 121 |
| 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 | % | 125 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 115 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 141 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 10 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 16 |
| 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

| | | WPL 18 E |
|---|----|----------------|
| | | 227757 |
| 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 | 14 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 13 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 12 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 10 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 10.2 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 10.3 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 11.5 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 11.7 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 12 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 12.7 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 12.5 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 12 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 13.4 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 13.1 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 12.7 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 9.5 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 10.5 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 12 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 7.7 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 9.7 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 12 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 8.9 |
| 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) | % | 111 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 121 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 137 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.65 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.37 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.27 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.29 |
| 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) | | 2.67 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.12 |
| 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) | | 3.29 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 4.9 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.73 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 4.42 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.45 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.54 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.67 |
| Tj = operating temperature limit in colder climates (COPd) | | 1.73 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.13 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.67 |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd) | | 1.78 |
| Heating water operating temperature limit (WTOL) | °C | 0 |
| Power consumption, OFF state (Poff) | W | 7 |
| Power consumption, thermostat OFF state (PTO) | W | 7 |
| Standby power consumption (PSB) | W | 7 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 62 |
| Booster heater heating output (PSUB) | kW | 3.31 |
| Type of energy supply, booster heater | | electric |
| Power control | | Fixed |
| Sound power level external | dB(A) | 65 |
| Sound power level internal | dB(A) | 57 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 11972 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 8684 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 4592 |
| Flow rate, heat source side | m ³ /h | 3500 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |