



ENERGY

STIEBEL ELTRON WPL 23 E



55 °C

35 °C



A+

A+



58 dB



65 dB

■ 20
■ 18
■ 16
kW

■ 18
■ 17
■ 16
kW



2019

811/2013

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

| | | WPL 23 E |
|---|---|-----------------|
| | | 227758 |
| 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 | 18 |
| 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) | % | 115 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 148 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 12656 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 9268 |
| Sound power level internal | dB(A) | 58 |
| 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 | 20 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 18 |
| 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 | 16 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 109 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 137 |
| 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) | % | 157 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 17275 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 12373 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 6955 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 5239 |



ENERGY

STIEBEL ELTRON

WPL 23 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 / (S.I. 2019 No. 539 / Schedule 2)

| | | WPL 23 E |
|---|---|-----------------|
| | | 227758 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 115 |
| Temperature controller class | | VII |
| Contribution of temperature controller to room heating energy efficiency | % | 3 |
| Room heating energy efficiency of composite system under moderate climatic conditions | % | 119 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 113 |
| 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 | % | 6 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 5 |
| 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 23 E |
|---|----|----------------|
| | | 227758 |
| 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 | 20 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 18 |
| 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 | 13.9 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 14.4 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 14.6 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 15.8 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 15.9 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 16.0 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 16.5 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 16.4 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 16.2 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 17.6 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 17.1 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 16.2 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 13.4 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 14.6 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 16.0 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 12.4 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 14.2 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 16.0 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 14.0 |
| 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 (ηs) | % | 109 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 115 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 120 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.58 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.32 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.22 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.20 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.00 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.57 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 3.76 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.53 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.06 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 3.94 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.79 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 3.52 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.40 |

| | | |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.48 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.57 |
| Tj = operating temperature limit in colder climates (COPd) | | 1.81 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.12 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.57 |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd) | | 1.84 |
| Heating water operating temperature limit (WTOL) | °C | 60 |
| 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 in moderate climate (Psup) | kW | 3.9 |
| Type of energy supply, booster heater | | electric |
| Power control | | Fixed |
| Sound power level external | dB(A) | 65 |
| Sound power level internal | dB(A) | 58 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 17275 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 12656 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 6955 |
| 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 | |