



ENERGY

STIEBEL ELTRON WPL 24 I



55 °C

35 °C



54 dB

46 dB

| | |
|------|------|
| ■ 24 | ■ 22 |
| ■ 16 | ■ 15 |
| ■ 10 | ■ 9 |
| kW | kW |

2019

811/2013

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

| | | WPL 24 I |
|---|-------|---|
| | | 235194 |
| 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 | 15 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 139 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 180 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 9428 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 6905 |
| Sound power level internal | dB(A) | 54 |
| Sound power level external | dB(A) | 46 |
| 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 | 24 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 22 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 10 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 9 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 116 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 145 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 169 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 227 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 19586 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 14942 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 3148 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 2108 |



ENERGY

STIEBEL ELTRON

WPL 24 I



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

| | | WPL 24 I |
|---|---|-----------------|
| | | 235194 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 139 |
| 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 | % | 143 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 120 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 173 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 23 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 30 |
| 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 24 I |
|---|----|----------------|
| | | 235194 |
| Manufacturer | | STIEBEL ELTRON |
| With booster heater | | x |
| Combi boiler with heat pump | | - |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 24 |
| 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 | 10 |
| 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 | 14.20 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 9.2 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 9.40 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 10.1 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 7.6 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.70 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 9.1 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 7.3 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.30 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.4 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 14.4 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 14.40 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 10.1 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 11.5 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 11.50 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 10.1 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 0.00 |
| Dual mode temperature in colder climates (Tbiv) | °C | -7 |
| Dual mode temperature in moderate climates (Tbiv) | °C | -7 |
| Dual mode temperature in warmer climates (Tbiv) | °C | 2 |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs) | % | 116 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 139 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 169 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.63 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.38 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.88 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.44 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.83 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 5.09 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.54 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.63 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 6.95 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 6.53 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 5.82 |
| Tj = dual mode temperature in colder climates (COPd) | | 1.82 |
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.30 |
| Tj = dual mode temperature in warmer climates (COPd) | | 2.83 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.3 |

| | | |
|---|---|----------|
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 1.82 |
| For air/water heat pumps:Tj= -15 °C (if TOL< -20 °C) (COPd) | | 0.00 |
| Heating water operating temperature limit (WTOL) | °C | 65 |
| Power consumption, OFF state (Poff) | W | 25.000 |
| Power consumption, thermostat OFF state (PTO) | W | 25 |
| Standby power consumption (PSB) | W | 25.000 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 0.000 |
| Booster heater heating output (PSUB) | kW | 4.770 |
| Type of energy supply, booster heater | | electric |
| Power control | | variable |
| Sound power level external | dB(A) | 46 |
| Sound power level internal | dB(A) | 54 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 19586 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 9428 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 3148 |
| Flow rate, heat source side | m ³ /h | 2300 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |