



ENERGY

STIEBEL ELTRON

WPC 07 cool



A++



A

48 dB



- 9 kW
- 8 kW
- 8 kW

2019

811/2013

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

| | | WPC 07 cool |
|---|---|--------------------|
| | | 232933 |
| Manufacturer | | STIEBEL ELTRON |
| Load profile | | XL |
| 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+++ |
| Energy efficiency category for DHW heating under moderate climatic conditions | | A |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 7 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 8 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 3891 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 2912 |
| Annual power consumption in moderate climates (AEC) | kWh/a | 1458 |
| 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) | % | 205 |
| Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions | % | 116 |
| Sound power level internal | dB(A) | 48 |
| 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 | 9 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 9 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 7 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 8 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 5638 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 4184 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 2527 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 1888 |
| Annual power consumption in colder climates (AEC) | kWh/a | 1458 |
| Annual power consumption in warmer climates (AEC) | kWh/a | 1458 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 144 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 211 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 138 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 204 |
| Energy efficiency for DHW heating (η_{wh}) under colder climatic conditions | % | 116 |
| Energy efficiency for DHW heating (η_{wh}) under warmer climatic conditions | % | 116 |
| Operation exclusively enabled during low load times | | - |



ENERGY

STIEBEL ELTRON

WPC 07 cool



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A⁺⁺

+



+



+



+



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

| | | WPC 07 cool |
|---|---|--------------------|
| | | 232933 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 139 |
| 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 | % | 143 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 148 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 142 |
| 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++ |
| Energy efficiency category for DHW heating under moderate climatic conditions | | A |
| Load profile | | XL |

Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013

| | | WPC 07 cool |
|---|----|----------------|
| | | 232933 |
| Manufacturer | | STIEBEL ELTRON |
| With booster heater | | x |
| Combi boiler with heat pump | | x |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 9 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 7 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 7 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 7.2 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.00 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 6.9 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 7.3 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.20 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 6.9 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 7.4 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.30 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.1 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 7.5 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 7.40 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 7.3 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 7.1 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 6.90 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 6.9 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 6.9 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 6.90 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 6.9 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 6.90 |
| 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) | % | 144 |
| 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) | % | 138 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 3.59 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.07 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.94 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 4.01 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.61 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.94 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.41 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.02 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.35 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 4.75 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.52 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 4.18 |
| Tj = dual mode temperature in colder climates (COPd) | | 3.36 |
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.94 |

| | | |
|---|---|----------|
| Tj = dual mode temperature in warmer climates (COPd) | | 2.94 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.94 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.94 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.94 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd) | | 2.94 |
| Heating water operating temperature limit (WTOL) | °C | 65 |
| Power consumption, OFF state (Poff) | W | 0.000 |
| Power consumption, thermostat OFF state (PTO) | W | 54 |
| Standby power consumption (PSB) | W | 9.000 |
| 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) | 48 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 5638 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 3891 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 2527 |
| Flow rate, heat source side | m ³ /h | 1.82 |
| Load profile | | XL |
| Daily power consumption in colder climates (QELEC) | kWh | 6.68 |
| Daily power consumption (Qelec) | kWh | 6.68 |
| Daily power consumption in warmer climates (QELEC) | kWh | 6.68 |
| Annual power consumption in colder climates (AEC) | kWh/a | 1458 |
| Annual power consumption in moderate climates (AEC) | kWh/a | 1458 |
| Annual power consumption in warmer climates (AEC) | kWh/a | 1458 |
| Energy efficiency for DHW heating (Γ_{wh}) under moderate climatic conditions | % | 116 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |