



ENERGY

STIEBEL ELTRON

WPC 05 S



A++



A

45 dB



- 7 kW
- 6 kW
- 6 kW

2019

811/2013

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

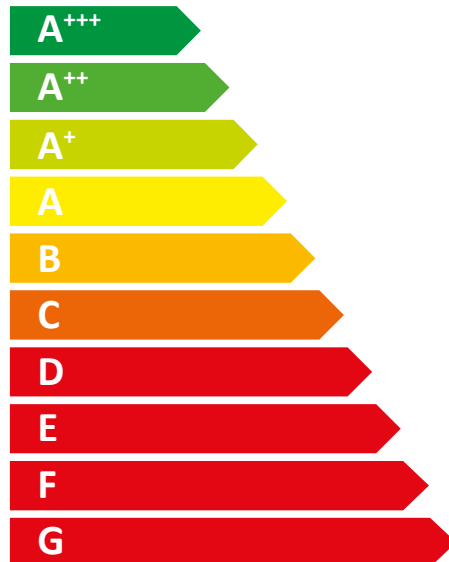
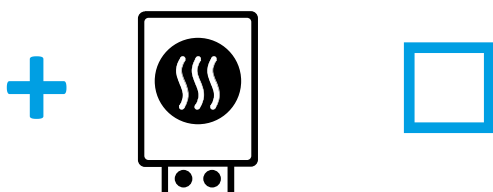
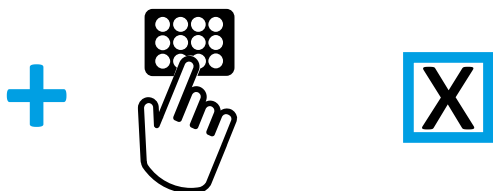
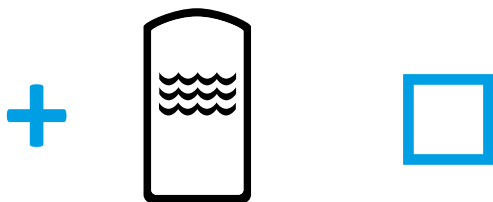
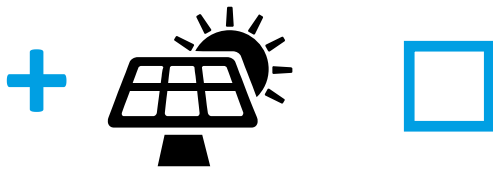
| | | WPC 05 S |
|---|---|-----------------|
| | | 232937 |
| Manufacturer | | STIEBEL ELTRON |
| Load profile | | XL |
| Energy efficiency class for central heating in moderate climates for medium temperature applications | | A++ |
| Energy efficiency class for central heating in moderate climates for 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 | 5 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 6 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 2990 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 2326 |
| Annual power consumption in moderate climates (AEC) | kWh/a | 1393 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 137 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 201 |
| Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions | % | 121 |
| Sound power level internal | dB(A) | 45 |
| 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 | 7 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 7 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 5 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 6 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 4373 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 3362 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1952 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 1517 |
| Annual power consumption in colder climates (AEC) | kWh/a | 1393 |
| Annual power consumption in warmer climates (AEC) | kWh/a | 1393 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 143 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 207 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 136 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 199 |
| Energy efficiency for DHW heating (η_{wh}) under colder climatic conditions | % | 121 |
| Energy efficiency for DHW heating (η_{wh}) under warmer climatic conditions | % | 121 |
| Operation exclusively enabled during low load times | | - |



ENERGY

STIEBEL ELTRON

WPC 05 S



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 05 S |
|---|---|-----------------|
| | | 232937 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 137 |
| 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 | % | 141 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 147 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 140 |
| 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 | % | 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 05 S |
|---|----|-----------------|
| | | 232937 |
| 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 | 7 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 5 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 5 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 5.5 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 5.30 |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh) | kW | 5.3 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 5.7 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 5.50 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 5.3 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 5.8 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 5.70 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 5.4 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 5.9 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 5.80 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 5.7 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 5.4 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 5.30 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 5.3 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 5.3 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 5.30 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 5.3 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 5.30 |
| 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) | % | 143 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 137 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 136 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 3.57 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.05 |
| Tj = -7 °C COP, partial load range in warmer climates (COPd) | | 2.92 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.97 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.58 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.92 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.35 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 3.98 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.33 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 4.67 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.45 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 4.13 |
| Tj = dual mode temperature in colder climates (COPd) | | 3.34 |
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.92 |

| | | |
|---|---|----------|
| Tj = dual mode temperature in warmer climates (COPd) | | 2.92 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.92 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.92 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.92 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd) | | 2.92 |
| Heating water operating temperature limit (WTOL) | °C | 60 |
| Power consumption, OFF state (Poff) | W | 0.000 |
| Power consumption, thermostat OFF state (PTO) | W | 55 |
| Standby power consumption (PSB) | W | 10.000 |
| 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) | 45 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 4373 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 2990 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1952 |
| Flow rate, heat source side | m ³ /h | 1.45 |
| Load profile | | XL |
| Daily power consumption in colder climates (QELEC) | kWh | 6.39 |
| Daily power consumption (Qelec) | kWh | 6.39 |
| Daily power consumption in warmer climates (QELEC) | kWh | 6.39 |
| Annual power consumption in colder climates (AEC) | kWh/a | 1393 |
| Annual power consumption in moderate climates (AEC) | kWh/a | 1393 |
| Annual power consumption in warmer climates (AEC) | kWh/a | 1393 |
| Energy efficiency for DHW heating (Γ_{wh}) under moderate climatic conditions | % | 121 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |