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STIEBEL ELTRON

WPL 07 ACS classic
 compact plus Set S



A+



A

52 dB



- 3 kW
- 4 kW
- 3 kW

2019

811/2013

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

| | | WPL 07 ACS classic compact plus Set S |
|---------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | 236630 |
| Manufacturer | | STIEBEL ELTRON |
| Load profile | | L |
| 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 | 4 |
| Rated heating output in moderate climates for low temperature applications (Prated) | kW | 4 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 2089 |
| Annual energy consumption in moderate climates for low temperature applications (QHE) | kWh/a | 1769 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 116 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 166 |
| Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions | % | 109 |
| Sound power level external | dB(A) | 52 |
| 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 | 4 |
| Rated heating output in colder climates for low temperature applications (Prated) | kW | 3 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 3 |
| Rated heating output in warmer climates for low temperature applications (Prated) | kW | 3 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 4016 |
| Annual energy consumption in colder climates for low temperature applications (QHE) | kWh/a | 2186 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1187 |
| Annual energy consumption in warmer climates for low temperature applications (QHE) | kWh/a | 783 |
| Annual power consumption in colder climates (AEC) | kWh/a | 1663 |
| Annual power consumption in warmer climates (AEC) | kWh/a | 1253 |
| Seasonal room heating efficiency in colder climates for average temperature applications (η_s) | % | 102 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 148 |
| 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) | % | 200 |
| Operation exclusively enabled during low load times | | - |








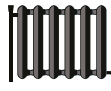


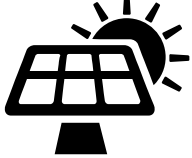










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STIEBEL ELTRON

WPL 07 ACS classic compact plus Set 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)

| | | WPL 07 ACS classic compact plus Set S |
|-------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------|
| | | 236630 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_s) | % | 116 |
| 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 | % | 120 |
| Room heating energy efficiency of composite system under colder climatic conditions | % | 109 |
| Room heating energy efficiency of composite system under warmer climatic conditions | % | 143 |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 8 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 26 |
| 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 | | L |

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

| | | WPL 07 ACS classic compact plus Set S |
|-------------------------------------------------------------------------------------------------|----|---------------------------------------|
| | | 236630 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Outside air |
| Low temperature heat pump | | - |
| With booster heater | | x |
| Combi boiler with heat pump | | x |
| Rated heating output in colder climates for average temperature applications (Prated) | kW | 4 |
| Rated heating output in moderate climates for average temperature applications (Prated) | kW | 4 |
| Rated heating output in warmer climates for average temperature applications (Prated) | kW | 3 |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh) | kW | 2.65 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 3.1 |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh) | kW | 1.6 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 1.6 |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh) | kW | 3.1 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh) | kW | 1.2 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 1.3 |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh) | kW | 2.0 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh) | kW | 1.5 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh) | kW | 1.5 |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh) | kW | 1.5 |
| Tj = dual mode temperature in colder climates (Pdh) | kW | 3.0 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh) | kW | 2.4 |
| Tj = dual mode temperature in warmer climates (Pdh) | kW | 3.1 |
| Tj = operating temperature limit in colder climates (Pdh) | kW | 2.6 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh) | kW | 3.1 |
| Tj = operating temperature limit in warmer climates (Pdh) | kW | 3.1 |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 0.0 |
| 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) | % | 102 |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | % | 116 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs) | % | 137 |
| Tj = -7 °C COP, partial load range in colder climates (COPd) | | 2.30 |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.07 |
| Tj = 2 °C COP, partial load range in colder climates (COPd) | | 3.45 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd) | | 2.93 |
| Tj = 2 °C COP, partial load range in warmer climates (COPd) | | 2.19 |
| Tj = 7 °C COP, partial load range in colder climates (COPd) | | 4.66 |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd) | | 4.13 |
| Tj = 7 °C COP, partial load range in warmer climates (COPd) | | 3.27 |
| Tj = 12 °C COP, partial load range in colder climates (COPd) | | 6.65 |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd) | | 5.97 |
| Tj = 12 °C COP, partial load range in warmer climates (COPd) | | 5.15 |
| Tj = dual mode temperature in colder climates (COPd) | | 2.09 |
| Tj = dual mode temperature under moderate climatic conditions (COPd) | | 2.17 |

| | | |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| Tj = dual mode temperature in warmer climates (COPd) | | 2.19 |
| Tj = operating temperature limit in colder climates (COPd) | | 2.30 |
| Tj = operating temperature limit under moderate climatic conditions (COPd) | | 2.07 |
| Tj = operating temperature limit in warmer climates (COPd) | | 2.19 |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd) | | 0.00 |
| Operating temperature limit in colder climates (TOL) | °C | -15 |
| Operating temperature limit in moderate climates (TOL) | °C | -5 |
| Operating temperature limit in warmer climates (TOL) | °C | 2 |
| Heating water operating temperature limit (WTOL) | °C | 60 |
| Power consumption, OFF state (Poff) | W | 17 |
| Power consumption, thermostat OFF state (PTO) | W | 30 |
| Standby power consumption (PSB) | W | 17 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 5 |
| Booster heater heating output in moderate climate (Psup) | kW | 2.9 |
| Type of energy supply, booster heater | | electric |
| Power control | | variable |
| Sound power level external | dB(A) | 52 |
| Annual energy consumption in colder climates for average temperature applications (QHE) | kWh/a | 4016 |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a | 2089 |
| Annual energy consumption in warmer climates for average temperature applications (QHE) | kWh/a | 1187 |
| Flow rate, heat source side | m ³ /h | 1300 |
| Load profile | | L |
| Daily power consumption (Qelec) | kWh | 4.45 |
| Annual power consumption in colder climates (AEC) | kWh/a | 1663 |
| Annual power consumption in warmer climates (AEC) | kWh/a | 1253 |
| Energy efficiency for DHW heating (Γ_{wh}) under moderate climatic conditions | % | 109 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |