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**STIEBEL ELTRON**

HPA-O 07.1 CS  
 Premium



55 °C

35 °C



Icon of a house with sound waves emanating from it, representing sound power level.

Icon of a house with sound waves entering it, representing sound pressure level.

**48 dB**

Two bar charts showing energy consumption in kW. The left chart is for 55 °C and the right for 35 °C. Each chart has three bars: a dark blue bar for 12 kW, a medium blue bar for 8 kW, and a light blue bar for 4 kW. Below the bars is a map of Europe with the same color coding.

■ 12  
 ■ 8  
 ■ 4  
 kW

■ 12  
 ■ 8  
 ■ 4  
 kW

2019

811/2013

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

|   |   | <b>HPA-O 07.1 CS Premium</b> |
|---|---|------------------------------|
|   |   | 202668                       |
| 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  | 8                            |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW  | 8                            |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %   | 153                          |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %   | 193                          |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a   | 4219                         |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a   | 3413                         |
| Sound power level external  | 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  | 12                           |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW  | 12                           |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW  | 4                            |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW  | 4                            |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %   | 128                          |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %   | 151                          |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %   | 163                          |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %   | 231                          |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a   | 9005                         |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a   | 7574                         |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a   | 1388                         |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a   | 984                          |



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**STIEBEL ELTRON**

HPA-O 07.1 CS Premium



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)**

|   |   | <b>HPA-O 07.1 CS Premium</b> |
|---|---|------------------------------|
|   |   | 202668                       |
| Manufacturer  |   | STIEBEL ELTRON               |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 153                          |
| 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   | % | 157                          |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 132                          |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 167                          |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 25                           |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 10                           |
| 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

|   |    | HPA-O 07.1 CS Premium |
|---|----|-----------------------|
|   |    | 202668                |
| Manufacturer  |    | STIEBEL ELTRON        |
| Heat source   |    | Outside air           |
| Low temperature heat pump   |    | -                     |
| With booster heater   |    | x                     |
| Combi boiler with heat pump   |    | -                     |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 12                    |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 8                     |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 4                     |
| 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 | 7.0                   |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 4.4                   |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 4.3                   |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 4.3                   |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 3.1                   |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 3.0                   |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 2.8                   |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 3.7                   |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 3.6                   |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 3.5                   |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 7.2                   |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 7.0                   |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 4.3                   |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 5.0                   |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 6.5                   |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 4.3                   |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 6.3                   |
| 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)   | %  | 128                   |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 153                   |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 163                   |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.70                  |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.43                  |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 4.31                  |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.79                  |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.93                  |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.99                  |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 5.22                  |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.90                  |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 6.88                  |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.33                  |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.53                  |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.70                  |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 2.43                  |

|   |   |          |
|---|---|----------|
| Tj = dual mode temperature in warmer climates (COPd)                                      |   | 2.93     |
| Tj = operating temperature limit in colder climates (COPd)                                |   | 1.78     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.14     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.93     |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)                            |   | 2.22     |
| Operating temperature limit in colder climates (TOL)                                      | °C  | -22      |
| Operating temperature limit in moderate climates (TOL)                                    | °C  | -10      |
| Operating temperature limit in warmer climates (TOL)                                      | °C  | 2        |
| Heating water operating temperature limit in colder climates (WTOL)                       | °C  | 75       |
| Heating water operating temperature limit (WTOL)  | °C  | 75       |
| Heating water operating temperature limit in warmer climates (WTOL)                       | °C  | 75       |
| Power consumption, OFF state (Poff)   | W   | 12       |
| Power consumption, thermostat OFF state (PTO)   | W   | 10       |
| Standby power consumption (PSB)   | W   | 12       |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 10       |
| Booster heater heating output in colder climates (Psup)                                   | kW  | 6.9      |
| Booster heater heating output in moderate climate (Psup)                                  | kW  | 1.4      |
| Booster heater heating output in warmer climates (Psup)                                   | kW  | 0.0      |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level external  | dB(A)   | 48       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 9005     |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 4219     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 1388     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 2250     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |



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**STIEBEL ELTRON** HSBC 300.2



**61 W**

**291 L**

2017

812/2013

Product datasheet: Hot water storage tanks to regulation (EU) no. 812/2013 / (S.I. 2019 No. 539 / Schedule 2)

|                         |   |                   |
|-------------------------|---|-------------------|
|                         |   | <b>HSBC 300.2</b> |
|                         |   | 207447            |
| Manufacturer            |   | STIEBEL ELTRON    |
| Energy efficiency class |   | B                 |
| standing loss S         | W | 61                |
| storage volume V        | I | 291               |