



**ENERG**  
енергия · ενέργεια

Y IJA  
IE IA

**STIEBEL ELTRON** HPA-O 13 C Premium



55 °C

35 °C



A++

A+++

55 dB

|      |      |
|------|------|
| ■ 22 | ■ 21 |
| ■ 15 | ■ 15 |
| ■ 8  | ■ 8  |
| kW   | kW   |

2019

811/2013

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

|   |   | <b>HPA-O 13 C Premium</b> |
|---|---|---------------------------|
|   |   | 238983                    |
| 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  | 15                        |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW  | 15                        |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %   | 144                       |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %   | 187                       |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a   | 8444                      |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a   | 6513                      |
| Sound power level external  | dB(A)   | 55                        |
| 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  | 22                        |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW  | 21                        |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW  | 8                         |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW  | 8                         |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %   | 125                       |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %   | 160                       |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %   | 177                       |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %   | 246                       |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a   | 16179                     |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a   | 12690                     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a   | 2369                      |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a   | 1718                      |



# ENERG

енергия · ενεργεια

Y

IJA

IE

IA

**STIEBEL ELTRON**

HPA-O 13 C Premium






+    
 +    
 +    
 + 

  
   
  
  
  
  
  
  
  


**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 13 C Premium</b> |
|---|---|---------------------------|
|   |   | 238983                    |
| Manufacturer  |   | STIEBEL ELTRON            |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 144                       |
| 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   | % | 148                       |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 135                       |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 181                       |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 11                        |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 35                        |
| 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 13 C Premium |
|---|----|--------------------|
|   |    | 238983             |
| Manufacturer  |    | STIEBEL ELTRON     |
| Heat source   |    | Outside air        |
| With booster heater   |    | x                  |
| Combi boiler with heat pump   |    | -                  |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 22                 |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 15                 |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 8                  |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 13.3               |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 13.8               |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 13.9               |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 8.3                |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 8.4                |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 8.4                |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 7.9                |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.8                |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 7.5                |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 6.7                |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 9.0                |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 6.4                |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 12.8               |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 12.5               |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 8.4                |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 21.7               |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 13.4               |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 8.4                |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 13.4               |
| Dual mode temperature in colder climates (Tbiv)   | °C | -7                 |
| 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)   | %  | 125                |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 144                |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 177                |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.67               |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.48               |
| Tj = -7 °C COP, partial load range in warmer climates (COPd)                                    |    | 2.42               |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.92               |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.51               |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.74               |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.12               |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.61               |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.64               |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 7.08               |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.66               |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 6.25               |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.90               |

|   |   |          |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd)                      |   | 2.59     |
| Tj = dual mode temperature in warmer climates (COPd)                                      |   | 2.74     |
| Tj = operating temperature limit in colder climates (COPd)                                |   | 2.28     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.28     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.74     |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)                             |   | 2.28     |
| Operating temperature limit in colder climates (TOL)                                      | °C  | -20      |
| 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  | 65       |
| Heating water operating temperature limit (WTOL)  | °C  | 65       |
| Heating water operating temperature limit in warmer climates (WTOL)                       | °C  | 65       |
| Power consumption, OFF state (Poff)   | W   | 10       |
| Power consumption, thermostat OFF state (PTO)   | W   | 10       |
| Standby power consumption (PSB)   | W   | 10       |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 38       |
| Booster heater heating output in colder climates (Psup)                                   | kW  | 10.9     |
| Booster heater heating output in moderate climate (Psup)                                  | kW  | 1.6      |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level external  | dB(A)   | 55       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 16179    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 8444     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 2369     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 4000     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |



**ENERG**  
енергия · ενέργεια



**STIEBEL ELTRON** HSBC 200.2



**55 W**

**189 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 200.2</b> |
|                         |   | 207446            |
| Manufacturer            |   | STIEBEL ELTRON    |
| Energy efficiency class |   | B                 |
| standing loss S         | W | 55                |
| storage volume V        | I | 189               |