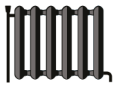




# ENERGY

HPA-O 05.2 Trend HC 400

**STIEBEL ELTRON**



55 °C

35 °C



**A+++**

**A+++**



- dB



**44** dB

■ 5  
■ 5  
■ 5

kW

■ 5  
■ 6  
■ 5

kW



2019

811/2013

**Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)**

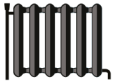
|                                                                                                                            |       | <b>HPA-O 05.2 Trend HC 400</b> |
|----------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------|
|                                                                                                                            |       | 210269                         |
| Manufacturer                                                                                                               |       | STIEBEL ELTRON                 |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D)        |       | A+++                           |
| Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)          |       | A+++                           |
| Rated heating output under average climate conditions for medium-temperature applications (P rated)                        | kW    | 5                              |
| Rated heating output under average climate conditions for low-temperature applications (P rated)                           | kW    | 6                              |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ( $\eta_s$ ) | %     | 151                            |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta_s$ )    | %     | 185                            |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE)                       | kWh/a | 2929                           |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE)                          | kWh/a | 2456                           |
| Sound power level, indoor                                                                                                  |       | -                              |
| Option for operation only at off-peak times                                                                                |       | -                              |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated)                         | kW    | 5                              |
| Rated heating output under colder climate conditions for low-temperature applications (P rated)                            | kW    | 5                              |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated)                         | kW    | 5                              |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated)                            | kW    | 5                              |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications ( $\eta_s$ )  | %     | 139                            |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 168                            |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications ( $\eta_s$ )  | %     | 185                            |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 260                            |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)                        | kWh/a | 3237                           |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE)                           | kWh/a | 2895                           |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)                        | kWh/a | 1455                           |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)                           | kWh/a | 1032                           |
| Sound power level, outdoor                                                                                                 | dB(A) | 44                             |



# ENERGY

HPA-O 05.2 Trend HC 400

**STIEBEL ELTRON**



**A<sup>+++</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

**D**

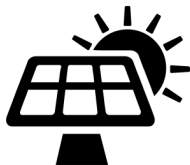
**E**

**F**

**G**

**A<sup>+++</sup>**

+



+



+



+



**Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)**

|                                                                                                                                         |   | <b>HPA-O 05.2 Trend HC 400</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------|
|                                                                                                                                         |   | 210269                         |
| Manufacturer                                                                                                                            |   | STIEBEL ELTRON                 |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta_s$ )                 | % | 185                            |
| Temperature control class                                                                                                               |   | VI                             |
| Contribution of temperature control to space heating energy efficiency                                                                  | % | 4                              |
| Space heating energy efficiency of package under average climate conditions                                                             | % | 155                            |
| Space heating energy efficiency of package under colder climate conditions                                                              | % | 143                            |
| Space heating energy efficiency of package under warmer climate conditions                                                              | % | 189                            |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % | 12                             |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % | 34                             |
| Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)                       |   | A+++                           |
| Space heating energy efficiency class of package under average climate conditions (A+++ -> D)                                           |   | A+++                           |

**Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)**

|                                                                                                                    |        | <b>HPA-O 05.2 Trend HC 400</b> |
|--------------------------------------------------------------------------------------------------------------------|--------|--------------------------------|
|                                                                                                                    |        | 210269                         |
| Manufacturer                                                                                                       |        | STIEBEL ELTRON                 |
| Heat source                                                                                                        |        | Luft                           |
| Low temperature heat pump                                                                                          |        | -                              |
| With auxiliary heater                                                                                              |        | -                              |
| Combination heater with heat pump                                                                                  |        | -                              |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated)                 | kW     | 5                              |
| Rated heating output under average climate conditions for medium-temperature applications (P rated)                | kW     | 5                              |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated)                 | kW     | 5                              |
| Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)                                | kW     | 2.8                            |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)                               | kW     | 4.8                            |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW     | 2.3                            |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)                                | kW     | 2.9                            |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW     | 5.1                            |
| Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW     | 2.8                            |
| Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)                                | kW     | 2.8                            |
| Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW     | 3.3                            |
| Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)                                | kW     | 3.3                            |
| Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)                               | kW     | 3.2                            |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)                                | kW     | 3.2                            |
| Tj = dual mode temperature under colder climate conditions (Pdh)                                                   | kW     | 3.8                            |
| Tj = dual mode temperature under average climate conditions (Pdh)                                                  | kW     | 4.8                            |
| Tj = dual mode temperature under warmer climate conditions (Pdh)                                                   | kW     | 5.1                            |
| Tj = operating temperature limit under colder climate conditions (Pdh)                                             | kW     | 2.7                            |
| Tj = operating temperature limit under average climate conditions (Pdh)                                            | kW     | 4.3                            |
| Tj = operating temperature limit under warmer climate conditions (Pdh)                                             | kW     | 5.1                            |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                                     | kW     | 3.8                            |
| Dual mode temperature under colder climate conditions (Tbiv)                                                       | Grad C | -15                            |
| Dual mode temperature under average climate conditions (Tbiv)                                                      | Grad C | -7                             |
| Dual mode temperature under warmer climate conditions (Tbiv)                                                       | Grad C | 2                              |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)  | %      | 139                            |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) | %      | 151                            |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)  | %      | 185                            |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd)                                          |        | 3.1                            |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd)                                         |        | 2.6                            |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd)                                           |        | 4.2                            |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd)                                          |        | 3.9                            |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)                                           |        | 2.9                            |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd)                                           |        | 5.3                            |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd)                                          |        | 4.8                            |

|                                                                                                      |        |              |
|------------------------------------------------------------------------------------------------------|--------|--------------|
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)                             |        | 4.2          |
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd)                            |        | 6.7          |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd)                           |        | 6.2          |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)                            |        | 5.9          |
| Tj = dual mode temperature under colder climate conditions (COPd)                                    |        | 2.4          |
| Tj = dual mode temperature under average climate conditions (COPd)                                   |        | 2.6          |
| Tj = dual mode temperature under warmer climate conditions (COPd)                                    |        | 2.9          |
| Tj = operating temperature limit under colder climate conditions (COPd)                              |        | 1.8          |
| Tj = operating temperature limit under average climate conditions (COPd)                             |        | 2.3          |
| Tj = operating temperature limit under warmer climate conditions (COPd)                              |        | 2.9          |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)                                      |        | 2.4          |
| Operating temperature limit under colder climate conditions (TOL)                                    | Grad C | -22          |
| Operating temperature limit under average climate conditions (TOL)                                   | Grad C | -10          |
| Operating temperature limit under warmer climate conditions (TOL)                                    | Grad C | 2            |
| Operating temperature limit of heating water under colder climate conditions (WTOL)                  | Grad C | 75           |
| Operating temperature limit of heating water under average climate conditions (WTOL)                 | Grad C | 75           |
| Operating temperature limit of heating water under warmer climate conditions (WTOL)                  | Grad C | 75           |
| Power consumption, off-mode (Poff)                                                                   | Watt   | 9            |
| Power consumption, thermostat off-mode (PTO)                                                         | Watt   | 18           |
| Power consumption, standby state (PSB)                                                               | Watt   | 9            |
| Power consumption, operating state, with crankcase heating (PCK)                                     | Watt   | 0            |
| Rated heating output of auxiliary heater under colder climate conditions (PSUP)                      | kW     | 1.9          |
| Rated heating output of auxiliary heater under average climate conditions (PSUP)                     | kW     | 1.2          |
| Rated heating output of auxiliary heater under warmer climate conditions (PSUP)                      | kW     | 0            |
| Type of energy supply, auxiliary heater                                                              |        | elektrisch   |
| Output control                                                                                       |        | veränderlich |
| Sound power level, outdoor                                                                           | dB(A)  | 44           |
| Sound power level, indoor                                                                            |        | -            |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)  | kWh/a  | 3237         |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a  | 2929         |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)  | kWh/a  | 1455         |
| Flow rate on heat source side                                                                        | m3/h   | 2740         |