

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

|                                                                                                                    |        | <b>HPA-O 07.2 Plus HC 400</b> |
|--------------------------------------------------------------------------------------------------------------------|--------|-------------------------------|
|                                                                                                                    |        | 207431                        |
| 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     | 8                             |
| Rated heating output under average climate conditions for medium-temperature applications (P rated)                | kW     | 8                             |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated)                 | kW     | 4                             |
| Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)                                | kW     | 4.6                           |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)                               | kW     | 7.1                           |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW     | 2.8                           |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)                                | kW     | 4.3                           |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW     | 4.4                           |
| 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     | 2.9                           |
| 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     | 6.2                           |
| Tj = dual mode temperature under average climate conditions (Pdh)                                                  | kW     | 7.1                           |
| Tj = dual mode temperature under warmer climate conditions (Pdh)                                                   | kW     | 4.4                           |
| Tj = operating temperature limit under colder climate conditions (Pdh)                                             | kW     | 4.8                           |
| Tj = operating temperature limit under average climate conditions (Pdh)                                            | kW     | 7.0                           |
| Tj = operating temperature limit under warmer climate conditions (Pdh)                                             | kW     | 4.4                           |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                                     |        | -                             |
| 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)  | %      | 144                           |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) | %      | 158                           |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)  | %      | 180                           |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd)                                          |        | 3.15                          |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd)                                         |        | 2.68                          |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd)                                           |        | 4.23                          |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd)                                          |        | 3.79                          |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)                                           |        | 2.84                          |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd)                                           |        | 5.62                          |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd)                                          |        | 5.42                          |

|                                                                                                      |        |              |
|------------------------------------------------------------------------------------------------------|--------|--------------|
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)                             |        | 4.07         |
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd)                            |        | 6.76         |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd)                           |        | 6.58         |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)                            |        | 5.82         |
| Tj = dual mode temperature under colder climate conditions (COPd)                                    |        | 2.50         |
| Tj = dual mode temperature under average climate conditions (COPd)                                   |        | 2.68         |
| Tj = dual mode temperature under warmer climate conditions (COPd)                                    |        | 2.84         |
| Tj = operating temperature limit under colder climate conditions (COPd)                              |        | 2.00         |
| Tj = operating temperature limit under average climate conditions (COPd)                             |        | 2.52         |
| Tj = operating temperature limit under warmer climate conditions (COPd)                              |        | 2.84         |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)                                      |        | -            |
| 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     | 2.8          |
| Rated heating output of auxiliary heater under average climate conditions (PSUP)                     | kW     | 1.1          |
| Rated heating output of auxiliary heater under warmer climate conditions (PSUP)                      | kW     | 0.0          |
| Type of energy supply, auxiliary heater                                                              |        | elektrisch   |
| Output control                                                                                       |        | veränderlich |
| Sound power level, outdoor                                                                           | dB(A)  | 43           |
| Sound power level, indoor                                                                            |        | -            |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)  | kWh/a  | 5,120        |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a  | 4,133        |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)  | kWh/a  | 1,292        |
| Flow rate on heat source side                                                                        | m3/h   | 2,990        |