

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

|   |    | <b>HPA-O 3 CS Plus</b> |
|---|----|------------------------|
|   |    | 238984                 |
| Manufacturer  |    | STIEBEL ELTRON         |
| Heat source   |    | Outside air            |
| With booster heater   |    | -                      |
| Combi boiler with heat pump   |    | -                      |
| 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 <sup>3</sup> /h   | 1300     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |