

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

|   |    | HPA-O 4 CS Plus flex Set S |
|---|----|----------------------------|
|   |    | 238989                     |
| Manufacturer  |    | STIEBEL ELTRON             |
| Heat source   |    | Outside air                |
| Low temperature heat pump   |    | -                          |
| With booster heater   |    | -                          |
| Combi boiler with heat pump   |    | -                          |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 5                          |
| 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 | 4                          |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 3.24                       |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 3.4                        |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 1.9                        |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 2                          |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 3.9                        |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 2.4                        |
| 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 | 1.2                        |
| 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 | 3.8                        |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 3                          |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 4.0                        |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 3.2                        |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 3.4                        |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 3.9                        |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 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)   | %  | 105                        |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 113                        |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 139                        |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.28                       |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.05                       |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.40                       |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 2.94                       |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.13                       |
| 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)                                     |    | 3.25                       |
| 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)                            |    | 2.15                       |

|   |                   |          |
|---|-------------------|----------|
| Tj = dual mode temperature in warmer climates (COPd)                                      |                   | 2.13     |
| Tj = operating temperature limit in colder climates (COPd)                                |                   | 2.28     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |                   | 2.05     |
| Tj = operating temperature limit in warmer climates (COPd)                                |                   | 2.13     |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)                             |                   | 0        |
| 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                | 3.69     |
| 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             | 4884     |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a             | 2618     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a             | 1467     |
| 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