

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

|   |    | <b>HPA-O 6 CS Plus compact Set</b> |
|---|----|------------------------------------|
|   |    | 239057                             |
| Manufacturer  |    | STIEBEL ELTRON                     |
| Heat source   |    | Outside air                        |
| With booster heater   |    | x                                  |
| Combi boiler with heat pump   |    | x                                  |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 11                                 |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 8                                  |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 6                                  |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 6.6                                |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 5.1                                |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 4.0                                |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 4.1                                |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 6.0                                |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 2.7                                |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 2.6                                |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 3.9                                |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 3.4                                |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 3.3                                |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 3.3                                |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 6.6                                |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 6.1                                |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 6.0                                |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 1.8                                |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 5.1                                |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 6.0                                |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 0.0                                |
| 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)   | %  | 103                                |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 125                                |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 153                                |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.40                               |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.00                               |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.60                               |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.30                               |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.2                                |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.00                               |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.60                               |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.20                               |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 6.20                               |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.0                                |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.70                               |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.4                                |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 2.30                               |
| Tj = dual mode temperature in warmer climates (COPd)  |    | 2.2                                |

|   |   |          |
|---|---|----------|
| Tj = operating temperature limit in colder climates (COPd)                                |   | 1.40     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.00     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.20     |
| 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 in colder climates (WTOL)                       | °C  | 60       |
| Heating water operating temperature limit (WTOL)  | °C  | 60       |
| Heating water operating temperature limit in warmer climates (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 colder climates (Psup)                                   | kW  | 11.0     |
| Booster heater heating output in moderate climate (Psup)                                  | kW  | 7.6      |
| Booster heater heating output in warmer climates (Psup)                                   | kW  | 0.0      |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level external  | dB(A)   | 57       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 10193    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 4865     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 2048     |
| Flow rate, heat source side   | m³/h  | 2200     |
| Load profile  |   | L        |
| Daily power consumption (Qelec)   | kWh   | 4.45     |
| Annual power consumption in colder climates (AEC)   | kWh/a   | 949      |
| Annual power consumption in moderate climates (AEC)                                       | kWh/a   | 905      |
| Annual power consumption in warmer climates (AEC)   | kWh/a   | 717      |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions      | %   | 113      |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |