

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

|   |    | WPL 24 IK      |
|---|----|----------------|
|   |    | 235879         |
| Manufacturer  |    | STIEBEL ELTRON |
| With booster heater   |    | x              |
| Combi boiler with heat pump   |    | -              |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 18             |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 16             |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 10             |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 13.9           |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 14.2           |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 9.2            |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 9.4            |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 10.1           |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 7.6            |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.7            |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 9.1            |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 7.3            |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 7.3            |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 7.4            |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 14.4           |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 14.4           |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 10.1           |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 11.5           |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 11.5           |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 10.1           |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 0.0            |
| Dual mode temperature in colder climates (Tbiv)   | °C | -7             |
| Dual mode temperature in moderate climates (Tbiv)   | °C | -7             |
| Dual mode temperature in warmer climates (Tbiv)   | °C | 2              |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs)   | %  | 127            |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 139            |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 157            |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.63           |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.38           |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.88           |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.44           |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.83           |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.09           |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.54           |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.63           |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 6.95           |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.53           |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.82           |
| Tj = dual mode temperature in colder climates (COPd)  |    | 1.82           |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 2.30           |
| Tj = dual mode temperature in warmer climates (COPd)  |    | 2.83           |
| Tj = operating temperature limit in colder climates (COPd)                                      |    | 2.30           |

|   |   |          |
|---|---|----------|
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 1.82     |
| For air/water heat pumps:Tj= -15 °C (if TOL< -20 °C) (COPd)                               |   | 0.00     |
| Heating water operating temperature limit (WTOL)  | °C  | 65       |
| Power consumption, OFF state (Poff)   | W   | 25       |
| Power consumption, thermostat OFF state (PTO)   | W   | 25       |
| Standby power consumption (PSB)   | W   | 25       |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 0        |
| Booster heater heating output in moderate climate (Psup)                                  | kW  | 4.7      |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level external  | dB(A)   | 50       |
| Sound power level internal  | dB(A)   | 51       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 14103    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 9475     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 3373     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 2300     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |