

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 |
|---|----|---------------------------------|
| | | 239052 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Outside air |
| Low temperature heat pump | | - |
| With booster heater | | - |
| Combi boiler with heat pump | | x |
| 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 | 3 |
| 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 | 0.0 |
| 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) | % | 116 |
| 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 |

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| 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) | | 0.00 |
| 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 | 3.6 |
| 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 ³ /h | 1300 |
| Special measures | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions | |