**Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)**

| | | **LWZ 8 S Trend** |
|---|---|---|
| | | 201684 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Luft |
| Low temperature heat pump | | - |
| With auxiliary heater | | - |
| Combination heater with heat pump | | - |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated) | kW | 11 |
| Rated heating output under average climate conditions for medium-temperature applications (P rated) | kW | 7 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 8 |
| Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 6.4 |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 5.9 |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 3.9 |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) | kW | 3.5 |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 8.3 |
| Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 2.8 |
| Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 2.7 |
| Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 5.4 |
| Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 3.2 |
| Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) | kW | 3.2 |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 3.2 |
| Tj = dual mode temperature under colder climate conditions (Pdh) | kW | 6.4 |
| Tj = dual mode temperature under average climate conditions (Pdh) | kW | 5.9 |
| Tj = dual mode temperature under warmer climate conditions (Pdh) | kW | 8.3 |
| Tj = operating temperature limit under colder climate conditions (Pdh) | kW | 2.6 |
| Tj = operating temperature limit under average climate conditions (Pdh) | kW | 2.7 |
| Tj = operating temperature limit under warmer climate conditions (Pdh) | kW | 8.3 |
| For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh) | | - |
| Dual mode temperature under colder climate conditions (Tbiv) | Grad C | -7 |
| Dual mode temperature under average climate conditions (Tbiv) | Grad C | -7 |
| Dual mode temperature under warmer climate conditions (Tbiv) | Grad C | 2 |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs) | % | 100 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) | % | 121 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs) | % | 133 |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd) | | 2.5 |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd) | | 2.3 |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd) | | 3.5 |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd) | | 3.3 |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd) | | 2.3 |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd) | | 4.7 |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd) | | 4.1 |

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|---|---|---|
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd) | | 3.3 |
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd) | | 5.7 |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd) | | 529 |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) | | 5.1 |
| Tj = dual mode temperature under colder climate conditions (COPd) | | 2.5 |
| Tj = dual mode temperature under average climate conditions (COPd) | | 2.3 |
| Tj = dual mode temperature under warmer climate conditions (COPd) | | 2.3 |
| Tj = operating temperature limit under colder climate conditions (COPd) | | 2.1 |
| Tj = operating temperature limit under average climate conditions (COPd) | | 1.9 |
| Tj = operating temperature limit under warmer climate conditions (COPd) | | 2.3 |
| For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd) | | - |
| Operating temperature limit under colder climate conditions (TOL) | Grad C | -20 |
| Operating temperature limit under average climate conditions (TOL) | Grad C | -10 |
| Operating temperature limit under warmer climate conditions (TOL) | Grad C | 2 |
| Operating temperature limit of heating water under colder climate conditions (WTOL) | Grad C | 60 |
| Operating temperature limit of heating water under average climate conditions (WTOL) | Grad C | 60 |
| Operating temperature limit of heating water under warmer climate conditions (WTOL) | Grad C | 60 |
| Power consumption, off-mode (Poff) | Watt | 27 |
| Power consumption, thermostat off-mode (PTO) | Watt | 63 |
| Power consumption, standby state (PSB) | Watt | 27 |
| Power consumption, operating state, with crankcase heating (PCK) | Watt | 35 |
| Rated heating output of auxiliary heater under colder climate conditions (PSUP) | | - |
| Rated heating output of auxiliary heater under average climate conditions (PSUP) | kW | 4 |
| Rated heating output of auxiliary heater under warmer climate conditions (PSUP) | | - |
| Type of energy supply, auxiliary heater | | elektrisch |
| Output control | | veränderlich |
| Sound power level, outdoor | dB(A) | 52 |
| Sound power level, indoor | dB(A) | 52 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 10109 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 4427 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 3264 |
| Flow rate on heat source side | | - |
| Load profile | | - |
| Daily power consumption under colder climate conditions (QELEC) | | - |
| Daily power consumption under average climate conditions (QELEC) | | - |
| Daily power consumption under warmer climate conditions (QELEC) | | - |
| Annual power consumption under colder climate conditions (AEC) | kWh | 2042 |
| Annual power consumption under average climate conditions (AEC) | kWh | 1676 |
| Annual power consumption under warmer climate conditions (AEC) | kWh | 1183 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs) | % | 184 |
| Energy efficiency, DHW heating (ɳwh), under average climate conditions | | - |
| Energy efficiency, DHW heating (ɳwh), warmer climates | | - |