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**STIEBEL ELTRON**

WPL Classic Pack 2



**A++**



- 11 kW
- 8 kW
- 6 kW

2019

811/2013

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

|                                                                                                                            |       | <b>WPL Classic Pack 2</b> |
|----------------------------------------------------------------------------------------------------------------------------|-------|---------------------------|
|                                                                                                                            |       | 204916                    |
| Manufacturer                                                                                                               |       | STIEBEL ELTRON            |
| Load profile                                                                                                               |       | -                         |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D)        |       | A++                       |
| Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)          |       | A+++                      |
| Energy efficiency class, DHW heating under average climate conditions (A+++ -> D)                                          |       | -                         |
| Rated heating output under average climate conditions for medium-temperature applications (P rated)                        | kW    | 8                         |
| Rated heating output under average climate conditions for low-temperature applications (P rated)                           | kW    | 9                         |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE)                       | kWh/a | 4865                      |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE)                          | kWh/a | 4218                      |
| Annual power consumption under average climate conditions (AEC)                                                            |       | -                         |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ( $\eta_s$ ) | %     | 125                       |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta_s$ )    | %     | 177                       |
| Energy efficiency, DHW heating ( $\eta_{wh}$ ), under average climate conditions                                           |       | -                         |
| Sound power level, indoor                                                                                                  |       | -                         |
| Option for operation only at off-peak times                                                                                |       | -                         |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated)                         | kW    | 11                        |
| Rated heating output under colder climate conditions for low-temperature applications (P rated)                            | kW    | 9                         |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated)                         | kW    | 6                         |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated)                            | kW    | 8                         |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)                        | kWh/a | 10193                     |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE)                           | kWh/a | 5722                      |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)                        | kWh/a | 2048                      |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)                           | kWh/a | 1867                      |
| Annual power consumption under colder climate conditions (AEC)                                                             |       | -                         |
| Annual power consumption under warmer climate conditions (AEC)                                                             |       | -                         |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications ( $\eta_s$ )  | %     | 103                       |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 147                       |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications ( $\eta_s$ )  | %     | 153                       |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 215                       |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 215                       |
| Energy efficiency, DHW heating ( $\eta_{wh}$ ), warmer climates                                                            |       | -                         |
| Sound power level, outdoor                                                                                                 | dB(A) | 57                        |



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WPL Classic Pack 2

## STIEBEL ELTRON



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A<sup>+++</sup>

A<sup>++</sup>

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

|                                                                                                                                         |   | <b>WPL Classic Pack 2</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------|
|                                                                                                                                         |   | 204916                    |
| Manufacturer                                                                                                                            |   | STIEBEL ELTRON            |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ( $\eta_s$ )              | % | 125                       |
| Temperature control class                                                                                                               |   | VI                        |
| Contribution of temperature control to space heating energy efficiency                                                                  | % | 4                         |
| Space heating energy efficiency of package under average climate conditions                                                             | % | 129.3                     |
| Space heating energy efficiency of package under colder climate conditions                                                              | % | 106.9                     |
| Space heating energy efficiency of package under warmer climate conditions                                                              | % | 162.6                     |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % | 22.4                      |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % | 33.3                      |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D)                     |   | A++                       |
| Space heating energy efficiency class of package under average climate conditions (A+++ -> D)                                           |   | A++                       |
| Energy efficiency class, DHW heating under average climate conditions (A+++ -> D)                                                       |   | -                         |
| Load profile                                                                                                                            |   | -                         |

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

|                                                                                                                    |        | <b>WPL Classic Pack 2</b> |
|--------------------------------------------------------------------------------------------------------------------|--------|---------------------------|
|                                                                                                                    |        | 204916                    |
| 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     | 8                         |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated)                 | kW     | 6                         |
| Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)                                | kW     | 6.6                       |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)                               | kW     | 5.1                       |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW     | 4                         |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)                                | kW     | 4.1                       |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW     | 6                         |
| Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW     | 2.7                       |
| Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)                                | kW     | 2.6                       |
| Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW     | 3.9                       |
| Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)                                | kW     | 3.4                       |
| Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)                               | kW     | 3.3                       |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)                                | kW     | 3.3                       |
| Tj = dual mode temperature under colder climate conditions (Pdh)                                                   | kW     | 6.6                       |
| Tj = dual mode temperature under average climate conditions (Pdh)                                                  | kW     | 6.1                       |
| Tj = dual mode temperature under warmer climate conditions (Pdh)                                                   | kW     | 6                         |
| Tj = operating temperature limit under colder climate conditions (Pdh)                                             | kW     | 1.8                       |
| Tj = operating temperature limit under average climate conditions (Pdh)                                            | kW     | 5.1                       |
| Tj = operating temperature limit under warmer climate conditions (Pdh)                                             | kW     | 6                         |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                                     | kW     | 0                         |
| Dual mode temperature under colder climate conditions (Tbiv)                                                       | Grad C | -7                        |
| Dual mode temperature under average climate conditions (Tbiv)                                                      | Grad C | -5                        |
| 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)  | %      | 103                       |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) | %      | 125                       |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)  | %      | 153                       |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd)                                          |        | 2.4                       |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd)                                         |        | 2                         |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd)                                           |        | 3.6                       |
| 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)                                           |        | 2.2                       |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd)                                           |        | 5                         |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd)                                          |        | 4.6                       |

|                                                                                                                        |        |              |
|------------------------------------------------------------------------------------------------------------------------|--------|--------------|
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)                                               |        | 3.2          |
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd)                                              |        | 6.2          |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd)                                             |        | 6            |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)                                              |        | 5.7          |
| Tj = dual mode temperature under colder climate conditions (COPd)                                                      |        | 2.4          |
| Tj = dual mode temperature under average climate conditions (COPd)                                                     |        | 2.3          |
| Tj = dual mode temperature under warmer climate conditions (COPd)                                                      |        | 2.2          |
| Tj = operating temperature limit under colder climate conditions (COPd)                                                |        | 1.4          |
| Tj = operating temperature limit under average climate conditions (COPd)                                               |        | 2            |
| Tj = operating temperature limit under warmer climate conditions (COPd)                                                |        | 2.2          |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)                                                        |        | 0            |
| Operating temperature limit under colder climate conditions (TOL)                                                      | Grad C | -15          |
| Operating temperature limit under average climate conditions (TOL)                                                     | Grad C | -5           |
| 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   | 17           |
| Power consumption, thermostat off-mode (PTO)                                                                           | Watt   | 30           |
| Power consumption, standby state (PSB)                                                                                 | Watt   | 17           |
| Power consumption, operating state, with crankcase heating (PCK)                                                       | Watt   | 5            |
| Rated heating output of auxiliary heater under colder climate conditions (PSUP)                                        | kW     | 11           |
| Rated heating output of auxiliary heater under average climate conditions (PSUP)                                       | kW     | 8            |
| Rated heating output of auxiliary heater under warmer climate conditions (PSUP)                                        | kW     | 0            |
| Type of energy supply, auxiliary heater                                                                                |        | elektrisch   |
| Output control                                                                                                         |        | veränderlich |
| Sound power level, outdoor                                                                                             | dB(A)  | 57           |
| Sound power level, indoor                                                                                              |        | -            |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)                    | kWh/a  | 10193        |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE)                   | kWh/a  | 4865         |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)                    | kWh/a  | 2048         |
| Flow rate on heat source side                                                                                          | m3/h   | 2200         |
| 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)                                                         |        | -            |
| Annual power consumption under average climate conditions (AEC)                                                        |        | -            |
| Annual power consumption under warmer climate conditions (AEC)                                                         |        | -            |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta_s$ ) | %      | 215          |
| Energy efficiency, DHW heating ( $\eta_{wh}$ ), under average climate conditions                                       |        | -            |
| Energy efficiency, DHW heating ( $\eta_{wh}$ ), warmer climates                                                        |        | -            |