

| | | WPL-S 47 HK dB 400 Premium |
|--|-------|----------------------------|
| | | 202804 |
| Manufacturer | • | STIEBEL ELTRON |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications | | A+ |
| Energy efficiency class, space heating under average climate conditions, low-temperature applications | | A+ |
| Rated heating output under average climate conditions for medium-temperature applications (P rated) | kW | 62 |
| Rated heating output under average climate conditions for low-temperature applications (P rated) | kW | 61 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η s) | % | 113 |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ($\ensuremath{\eta_s}$) | % | 141 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 44323 |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE) | kWh/a | 34998 |
| Sound power level, indoor | dB(A) | 60 |
| Option for operation only at off-peak times | | _ |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated) | kW | 78 |
| Rated heating output under colder climate conditions for low-temperature applications (P rated) | kW | 74 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 56 |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated) | kW | 61 |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η s) | % | 105 |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (\ensuremath{N} s) | % | 129 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (Γ)s) | % | 135 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η s) | % | 167 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 70865 |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE) | kWh/a | 55171 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 21600 |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE) | kWh/a | 19213 |
| Sound power level, outdoor | dB(A) | 61 |



ENERGY

WPL-S 47 HK dB 400 Premium

STIEBEL ELTRON































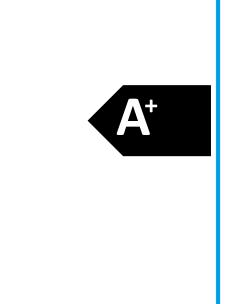
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2015

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

| | | WPL-S 47 HK dB 400 Premium |
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| | | 202804 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ηs) | % | 141 |
| Temperature control class | | VII |
| Contribution of temperature control to space heating energy efficiency | % | 4 |
| Space heating energy efficiency of package under average climate conditions | % | 117 |
| Space heating energy efficiency of package under colder climate conditions | % | 109 |
| Space heating energy efficiency of package under warmer climate conditions | % | 139 |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % | 8 |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % | 22 |
| Energy efficiency class, space heating under average climate conditions, low-temperature applications | | A+ |
| Space heating energy efficiency class of package under average climate conditions | | A+ |

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

| Manufacturer Heat source 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) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output, partial load range under colder climate conditions (Pdh) Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under warmer climate kW Rated heating output, partial load range under colder climate kW Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under average climate kW Rated heating output, partial load range under average climate kW Rated heating output, partial load range under average climate kW Rated heating output, partial load range under average climate kW Rated heating output, partial load range under average climate kW Rated heating output, partial load range under colder climate kW Rated heating output, partial load range under average climate conditions (Pdh) Rated heating output, partial load range under colder climate conditions (Pdh) Rated heating output, partial load range under average climate conditions (Pdh) Rated heating ou | | | WPL-S 47 HK dB 400 Premium |
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| Heat source 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) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output, partial load range under colder climate eonditions (Pdh) Tij = -7 °C heating output, partial load range under average climate conditions (Pdh) Tij = 2 °C heating output, partial load range under average climate conditions (Pdh) Tij = 2 °C heating output, partial load range under average climate conditions (Pdh) Rw 58. Tij = 2 °C heating output, partial load range under average climate conditions (Pdh) Rw 58. Tij = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Rw 59. Tij = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Rw 75. Tij = 7 °C heating output, partial load range under average climate conditions (Pdh) Rw 75. Tij = 7 °C heating output, partial load range under average climate conditions (Pdh) Rw 75. Tij = 7 °C heating output, partial load range under average climate conditions (Pdh) Rw 75. Tij = 12 °C heating output, partial load range under average climate conditions (Pdh) Rw 85. Tij = 12 °C heating output, partial load range under average climate conditions (Pdh) Rw 86. Tij = 12 °C heating output, partial load range under average climate conditions (Pdh) Rw 86. Tij = 12 °C heating output, partial load range under average climate conditions (Pdh) Rw 87. Tij = 0 dual mode temperature under average climate conditions (Pdh) Rw 98. Tij = 0 dual mode temperature under average climate conditions (Pdh) Rw 98. Tij = 0 dual mode temperature under a | Manufacturer | | 202804 |
| 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) Rated heating output under average climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Rated heating output under warmer climate conditions for medium-temperature applications (P rated) Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh) Tj = -7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under colder climate kW 54. Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under average climate kW 58. Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 7 °C heating output, partial load range under colder climate kW 55. Tj = 7 °C heating output, partial load range under colder climate kW 55. Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate kW 55. Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 0 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 0 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 0 °C heating output, partial load range under warmer climate conditions (Pdh) NW 53. | | | |
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| temperature applications (P rated) Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh) Tj = -7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) KW 82, Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) KW 53, Tj = dual mode temperature under colder climate conditions (Pdh) KW 54, Tj = dual mode temperature under average climate conditions (Pdh) KW 55, Tj = operating temperature limit under average climate conditions (Pdh) KW 56, Tj = operating temperature limit under average climate conditions (Pdh) KW 57, Tj = operating temperature limit under average climate conditions (Pdh) KW 58, Tj = operating temperature limit under average climate condi | 5 , | kW | 62 |
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| conditions (Pdh) Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate kW Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under warmer climate kW 84, Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) KW 53, Tj = dual mode temperature under colder climate conditions (Pdh) kW 54, Tj = dual mode temperature under warmer climate conditions (Pdh) kW 55, Tj = operating temperature limit under colder climate conditions (Pdh) kW 53, Tj = operating temperature limit under average climate conditions (Pdh) kW 53, Tj = operating temperature limit under average climate conditions (Pdh) kW 53, Tj = operating temperature limit under average climate conditions (Pdh) kW 53, Tj = operating temperature limit under average climate conditions (Pdh) kW 55, | | kW | 58,6 |
| conditions (Pdh) Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) KW 82, Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) KW 53, Tj = dual mode temperature under colder climate conditions (Pdh) KW 54, Tj = operating temperature limit under older climate conditions (Pdh) KW 55, Tj = operating temperature limit under average climate conditions (Pdh) KW 55, | | kW | 55,8 |
| conditions (Pdh) Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) Tj = dual mode temperature under colder climate conditions (Pdh) kW 53, Tj = dual mode temperature under average climate conditions (Pdh) kW 55, Tj = operating temperature limit under colder climate conditions (Pdh) kW 53, Tj = operating temperature limit under average climate conditions (Pdh) kW 55, Tj = operating temperature limit under average climate conditions (Pdh) kW 55, | | kW | 75,2 |
| conditions (Pdh) Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) KW S5, conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) KW S4, conditions (Pdh) Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) KW S2, conditions (Pdh) KW S3, Tj = dual mode temperature under colder climate conditions (Pdh) KW S4, Tj = dual mode temperature under warmer climate conditions (Pdh) KW S5, Tj = operating temperature limit under colder climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW S5, Tj = operating temperature limit under average climate conditions (Pdh) KW | | kW | 75,4 |
| Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) KW Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) KW Expectation output, partial load range under warmer climate conditions (Pdh) KW Expectation output, partial load range under warmer climate kW Expectation output, partial load range under warmer climate kW Expectation output, partial load range under warmer climate kW Expectation output, partial load range under warmer climate kW Expectation output, partial load range under warmer climate kW Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load range under average climate conditions (Pdh) Expectation output, partial load rang | | kW | 75,8 |
| Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) KW 82, Tj = dual mode temperature under colder climate conditions (Pdh) KW 53, Tj = dual mode temperature under average climate conditions (Pdh) KW 54, Tj = dual mode temperature under warmer climate conditions (Pdh) KW 55, Tj = operating temperature limit under colder climate conditions (Pdh) KW 55, Tj = operating temperature limit under average climate conditions (Pdh) KW 55, | | kW | 85,2 |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)kW82,Tj = dual mode temperature under colder climate conditions (Pdh)kW53,Tj = dual mode temperature under average climate conditions (Pdh)kW54,Tj = dual mode temperature under warmer climate conditions (Pdh)kW55,Tj = operating temperature limit under colder climate conditions (Pdh)kW53,Tj = operating temperature limit under average climate conditions (Pdh)kW54,Tj = operating temperature limit under warmer climate conditions (Pdh)kW55, | Tj = 12 °C heating output, partial load range under average climate | kW | 84,3 |
| Tj = dual mode temperature under average climate conditions (Pdh)kW54,Tj = dual mode temperature under warmer climate conditions (Pdh)kW55,Tj = operating temperature limit under colder climate conditions (Pdh)kW53,Tj = operating temperature limit under average climate conditions (Pdh)kW54,Tj = operating temperature limit under warmer climate conditions (Pdh)kW55, | Tj = 12 °C heating output, partial load range under warmer climate | kW | 82,8 |
| Tj = dual mode temperature under warmer climate conditions (Pdh)kW55,Tj = operating temperature limit under colder climate conditions (Pdh)kW53,Tj = operating temperature limit under average climate conditions (Pdh)kW54,Tj = operating temperature limit under warmer climate conditions (Pdh)kW55, | Tj = dual mode temperature under colder climate conditions (Pdh) | kW | 53,3 |
| Tj = operating temperature limit under colder climate conditions (Pdh)kW53,Tj = operating temperature limit under average climate conditions (Pdh)kW54,Tj = operating temperature limit under warmer climate conditions (Pdh)kW55, | Tj = dual mode temperature under average climate conditions (Pdh) | kW | 54,9 |
| Tj = operating temperature limit under average climate conditions (Pdh) kW 54, Tj = operating temperature limit under warmer climate conditions (Pdh) kW 55, | Tj = dual mode temperature under warmer climate conditions (Pdh) | kW | 55,8 |
| Tj = operating temperature limit under warmer climate conditions (Pdh) kW 55, | Tj = operating temperature limit under colder climate conditions (Pdh) | kW | 53,3 |
| | Tj = operating temperature limit under average climate conditions (Pdh) | kW | 54,9 |
| Dual mode temperature under colder climate conditions (Tbiv) °C -10 | Tj = operating temperature limit under warmer climate conditions (Pdh) | kW | 55,8 |
| | Dual mode temperature under colder climate conditions (Tbiv) | °C | -10 |
| Dual mode temperature under average climate conditions (Tbiv) °C - | Dual mode temperature under average climate conditions (Tbiv) | °C | -7 |
| <u> </u> | | °C | 2 |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs) | | % | 105 |
| Seasonal space heating energy efficiency under average climate % conditions for medium-temperature applications (ηs) % | | % | 113 |
| Seasonal space heating energy efficiency under warmer climate % conditions for medium-temperature applications (ηs) % | | % | 135 |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd) $2,4$ | , | | 2,46 |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd) | · · · · · · · · · · · · · · · · · · · | | 2,20 |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd) | Tj = 2 °C COP, partial load range under colder climate conditions (COPd) | | 2,98 |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd) | | | 2,77 |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd) $2,3$ | · · | | 2,35 |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd) | Tj = 7 °C COP, partial load range under colder climate conditions (COPd) | | 3,58 |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd) $3,4$ | , | | 3,40 |
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd) | · · | | 3,04 |

| Tj = 12 °C COP, partial load range under colder climate conditions (COPd) | | 4,45 |
|--|----------|------------|
| Tj = 12 °C COP, partial load range under average climate conditions (COPd) | | 432,00 |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) | | 4,11 |
| Tj = dual mode temperature under colder climate conditions (COPd) | | 2,33 |
| Tj = dual mode temperature under average climate conditions (COPd) | | 2,20 |
| Tj = dual mode temperature under warmer climate conditions (COPd) | | 2,35 |
| Tj = operating temperature limit under colder climate conditions (COPd) | | 1,82 |
| Tj = operating temperature limit under average climate conditions (COPd) | | 2,03 |
| Tj = operating temperature limit under warmer climate conditions (COPd) | | 2,35 |
| For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd) | | 1,81 |
| Operating temperature limit of heating water under average climate conditions (WTOL) | °C | 65 |
| Power consumption, off-mode (Poff) | W | 20 |
| Power consumption, thermostat off-mode (PTO) | W | 20 |
| Power consumption, standby state (PSB) | W | 20 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 0 |
| Type of energy supply, auxiliary heater | <u>'</u> | elektrisch |
| Output control | <u>'</u> | fest |
| Sound power level, outdoor | dB(A) | 61 |
| Sound power level, indoor | dB(A) | 60 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 70865 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 44323 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 21600 |
| Flow rate on heat source side | m³/h | 2 |
| - | | |