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tecalor

TTL 8.5 IKCS

| | 55 °C | 35 °C |
|---|---|---|
| A+++ | | |
| A++ | A++ | A++ |
| A+ | | |
| A | | |
| B | | |
| C | | |
| D | | |

50 dB

44 dB

| | | |
|---|---|---|
| ■ | 13 | 13 |
| ■ | **7** | **9** |
| ■ | 4 | 5 |
| | kW | kW |

2019 811/2013

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

| | | **TTL 8.5 IKCS** |
|---|---|---|
| | | 190526 |
| Manufacturer | | tecalor |
| 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 | 7 |
| Rated heating output under average climate conditions for low-temperature applications (P rated) | kW | 9 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs) | % | 126 |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs) | % | 162 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 4564 |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE) | kWh/a | 4621 |
| Sound power level, indoor | dB(A) | 50 |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated) | kW | 13 |
| Rated heating output under colder climate conditions for low-temperature applications (P rated) | kW | 13 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 4 |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated) | kW | 5 |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs) | % | 105 |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (ɳs) | % | 126 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs) | % | 142 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (ɳs) | % | 207 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 11651 |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE) | kWh/a | 10074 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 1584 |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE) | kWh/a | 1262 |
| Sound power level, outdoor | dB(A) | 44 |

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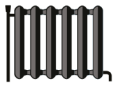
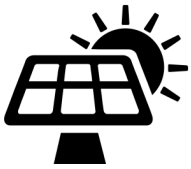
TTL 8.5 IKCS



A++

+  ☐

+  ☐

+  ☒

+  ☐


2015

811/2013

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

| | | **TTL 8.5 IKCS** |
|---|---|---|
| | | 190526 |
| Manufacturer | | tecalor |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (ɳs) | % | 162 |
| Temperature control class | | VI |
| Contribution of temperature control to space heating energy efficiency | % | 4 |
| Space heating energy efficiency of package under average climate conditions | % | 130 |
| Space heating energy efficiency of package under colder climate conditions | % | 109 |
| Space heating energy efficiency of package under warmer climate conditions | % | 146 |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % | 21 |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % | 16 |
| 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)**

| | | **TTL 8.5 IKCS** |
|---|---|---|
| | | 190526 |
| Manufacturer | | tecalor |
| With auxiliary heater | | x |
| Combination heater with heat pump | | - |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated) | kW | 13 |
| 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 | 4 |
| Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 7,7 |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 6,3 |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 4,9 |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) | kW | 4,7 |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 4,3 |
| Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 4,2 |
| Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 4,2 |
| Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 4,0 |
| 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 | 3,1 |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 3,0 |
| Tj = dual mode temperature under colder climate conditions (Pdh) | kW | 7,7 |
| Tj = dual mode temperature under average climate conditions (Pdh) | kW | 6,3 |
| Tj = dual mode temperature under warmer climate conditions (Pdh) | kW | 4,3 |
| Tj = operating temperature limit under colder climate conditions (Pdh) | kW | 5,2 |
| Tj = operating temperature limit under average climate conditions (Pdh) | kW | 2,8 |
| Tj = operating temperature limit under warmer climate conditions (Pdh) | kW | 4,3 |
| For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh) | kW | 0,0 |
| Dual mode temperature under colder climate conditions (Tbiv) | °C | -7 |
| Dual mode temperature under average climate conditions (Tbiv) | °C | -7 |
| Dual mode temperature under warmer climate conditions (Tbiv) | °C | 2 |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ɳs) | % | 105 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ɳs) | % | 126 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ɳs) | % | 142 |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd) | | 2,26 |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd) | | 2,13 |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd) | | 3,49 |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd) | | 3,04 |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd) | | 2,21 |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd) | | 4,82 |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd) | | 4,44 |
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd) | | 3,21 |

| | | |
|---|---|---|
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd) | | 6,75 |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd) | | 6,21 |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) | | 5,30 |
| Tj = dual mode temperature under colder climate conditions (COPd) | | 2,26 |
| Tj = dual mode temperature under average climate conditions (COPd) | | 2,31 |
| Tj = dual mode temperature under warmer climate conditions (COPd) | | 2,21 |
| Tj = operating temperature limit under colder climate conditions (COPd) | | 1,00 |
| Tj = operating temperature limit under average climate conditions (COPd) | | 1,83 |
| Tj = operating temperature limit under warmer climate conditions (COPd) | | 2,21 |
| For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (COPd) | | 0,00 |
| Operating temperature limit under colder climate conditions (TOL) | °C | -20 |
| Operating temperature limit under average climate conditions (TOL) | °C | -10 |
| Operating temperature limit under warmer climate conditions (TOL) | °C | 2 |
| Operating temperature limit of heating water under average climate conditions (WTOL) | °C | 60 |
| Power consumption, off-mode (Poff) | W | 21 |
| Power consumption, thermostat off-mode (PTO) | W | 56 |
| Power consumption, standby state (PSB) | W | 56 |
| Power consumption, operating state, with crankcase heating (PCK) | W | 26 |
| Rated heating output of auxiliary heater under average climate conditions (PSUP) | kW | 4,3 |
| Type of energy supply, auxiliary heater | | elektrisch |
| Output control | | veränderlich |
| Sound power level, outdoor | dB(A) | 44 |
| Sound power level, indoor | dB(A) | 50 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 11651 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 4564 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 1584 |
| Flow rate on heat source side | $m^3/h$ | 1240 |