



# ENERGY

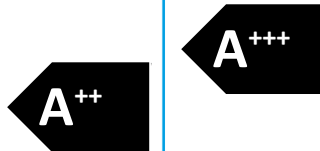
## tecalor

TTF 7.5



55 °C

35 °C



42 dB



0 dB



2019

811/2013

|  |       |                |
|--|-------|----------------|
|  |       | <b>TTF 7.5</b> |
|  |       | 190932         |
| 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    | 9              |
| Rated heating output under average climate conditions for low-temperature applications (P rated)                           | kW    | 8              |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications ( $\eta_s$ ) | %     | 140            |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta_s$ )    | %     | 191            |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE)                       | kWh/a | 4812           |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE)                          | kWh/a | 3318           |
| Sound power level, indoor  | dB(A) | 42             |
| Option for operation only at off-peak times  |       | -              |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated)                         | kW    | 8              |
| Rated heating output under colder climate conditions for low-temperature applications (P rated)                            | kW    | 8              |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated)                         | kW    | 8              |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated)                            | kW    | 9              |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications ( $\eta_s$ )  | %     | 142            |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 143            |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications ( $\eta_s$ )  | %     | 138            |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications ( $\eta_s$ )     | %     | 140            |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)                        | kWh/a | 5445           |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE)                           | kWh/a | 3989           |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)                        | kWh/a | 2948           |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)                           | kWh/a | 2293           |
| Sound power level, outdoor   | dB(A) | 0              |



# ENERGY

tecator

TTF 7.5



A<sup>++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

E

F

G

+



+



+



+



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

|   |   | <b>TTF 7.5</b> |
|---|---|----------------|
|   |   | 190932         |
| Manufacturer  |   | tecalor        |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications ( $\eta_s$ )                 | % | 191            |
| Temperature control class   |   | III            |
| Contribution of temperature control to space heating energy efficiency  | % | 2              |
| Space heating energy efficiency of package under average climate conditions   | % | 145            |
| Space heating energy efficiency of package under colder climate conditions  | % | 150            |
| Space heating energy efficiency of package under warmer climate conditions  | % | 147            |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % | 5              |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % | 2              |
| 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)**

|  |    | <b>TTF 7.5</b> |
|--|----|----------------|
|  |    | 190932         |
| Manufacturer   |    | tecalor        |
| Heat source  |    | Sole           |
| Low temperature heat pump  |    | -              |
| With auxiliary heater  |    | x              |
| Combination heater with heat pump  |    | x              |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated)                 | kW | 8              |
| Rated heating output under average climate conditions for medium-temperature applications (P rated)                | kW | 9              |
| 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 | 7,0            |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)                               | kW | 6,9            |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW | 7,1            |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)                                | kW | 7,2            |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW | 6,9            |
| Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)                                 | kW | 7,2            |
| Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)                                | kW | 7,2            |
| Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)                                 | kW | 7,0            |
| Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)                                | kW | 7,3            |
| Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)                               | kW | 7,3            |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)                                | kW | 7,2            |
| Tj = dual mode temperature under colder climate conditions (Pdh)   | kW | 7,0            |
| Tj = dual mode temperature under average climate conditions (Pdh)  | kW | 7,0            |
| Tj = dual mode temperature under warmer climate conditions (Pdh)   | kW | 6,9            |
| Tj = operating temperature limit under colder climate conditions (Pdh)   | kW | 6,9            |
| Tj = operating temperature limit under average climate conditions (Pdh)  | kW | 6,9            |
| Tj = operating temperature limit under warmer climate conditions (Pdh)   | kW | 6,9            |
| For air source heat pumps: Tj = -15 °C (if TOL< -20 °C) (Pdh)  | kW | 6,8            |
| Dual mode temperature under colder climate conditions (Tbiv)   | °C | -16            |
| Dual mode temperature under average climate conditions (Tbiv)  | °C | -5             |
| Dual mode temperature under warmer climate conditions (Tbiv)   | °C | 4              |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)  | %  | 142            |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) | %  | 140            |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)  | %  | 138            |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd)  |    | 3,51           |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd)   |    | 3,04           |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd)   |    | 3,96           |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd)  |    | 3,73           |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)   |    | 2,82           |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd)   |    | 4,36           |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd)  |    | 4,12           |

|  |       |            |
|--|-------|------------|
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)                             |       | 3,36       |
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd)                            |       | 4,69       |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd)                           |       | 4,52       |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)                            |       | 4,18       |
| Tj = dual mode temperature under colder climate conditions (COPd)                                    |       | 3,22       |
| Tj = dual mode temperature under average climate conditions (COPd)                                   |       | 3,23       |
| Tj = dual mode temperature under warmer climate conditions (COPd)                                    |       | 3,09       |
| Tj = operating temperature limit under colder climate conditions (COPd)                              |       | 2,82       |
| Tj = operating temperature limit under average climate conditions (COPd)                             |       | 2,82       |
| Tj = operating temperature limit under warmer climate conditions (COPd)                              |       | 2,82       |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)                                      |       | 2,82       |
| Operating temperature limit under average climate conditions (TOL)                                   | °C    | -10        |
| Operating temperature limit of heating water under colder climate conditions (WTOL)                  | °C    | 65         |
| Operating temperature limit of heating water under average climate conditions (WTOL)                 | °C    | 65         |
| Operating temperature limit of heating water under warmer climate conditions (WTOL)                  | °C    | 65         |
| Power consumption, off-mode (Poff)   | W     | 4          |
| Power consumption, thermostat off-mode (PTO)   | W     | 7          |
| Power consumption, standby state (PSB)   | W     | 7          |
| Power consumption, operating state, with crankcase heating (PCK)                                     | W     | 0          |
| Rated heating output of auxiliary heater under colder climate conditions (PSUP)                      | kW    | 1,4        |
| Rated heating output of auxiliary heater under average climate conditions (PSUP)                     | kW    | 1,8        |
| Rated heating output of auxiliary heater under warmer climate conditions (PSUP)                      | kW    | 1,2        |
| Type of energy supply, auxiliary heater  |       | elektrisch |
| Sound power level, outdoor   | dB(A) | 0          |
| Sound power level, indoor  | dB(A) | 42         |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)  | kWh/a | 5445       |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 4812       |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)  | kWh/a | 2948       |
| Flow rate on heat source side  | m³/h  | 126        |