

**PRODUCT FICHE according DELEGATED REGULATION (EU) 2015/1187,
Annex IV - 1. (Solid fuel boilers) and
2. (Solid fuel boilers used in package with temperature controls)**

Product line: (product line up to 70 kW) **Wood chip boilers series T4e / T4e ESP**

a) supplier's name or trademark: Fröling Heizkessel- und Behälterbau Ges.m.b.H.

| b) supplier's model identifier | c) energy efficiency class of the boiler model | d) rated heat output P_n kW | e) energy efficiency index EEI of the boiler model | f) seasonal space heating energy efficiency η_s % | i) energy efficiency index of the boiler in package with temperature control | j) energy efficiency class of the boiler in package with temperature control |
|--|--|---|--|--|--|--|
| Series: T4e in Chip wood operation ^{*)} | | | | | | |
| T4e - 20 | A+ | 20 | 112 | 76 | 114 | A+ |
| T4e - 25 | A+ | 25 | 113 | 77 | 115 | A+ |
| T4e - 30 | A+ | 30 | 113 | 77 | 115 | A+ |
| T4e - 35 | A+ | 35 | 114 | 77 | 116 | A+ |
| T4e - 45 | A+ | 45 | 115 | 78 | 117 | A+ |
| T4e - 50 | A+ | 50 | 115 | 78 | 117 | A+ |
| T4e - 60 | A+ | 60 | 115 | 78 | 117 | A+ |
| Series: T4e in Pellet operation | | | | | | |
| Series: T4e with integrated electrostatic precipitator (T4e ESP) in Chip wood operation ^{*)} | | | | | | |
| T4e - 20 ESP | A+ | 20 | 113 | 77 | 115 | A+ |
| T4e - 25 ESP | A+ | 25 | 115 | 78 | 117 | A+ |
| T4e - 30 ESP | A+ | 30 | 115 | 78 | 117 | A+ |
| T4e - 35 ESP | A+ | 35 | 115 | 78 | 117 | A+ |
| T4e - 45 ESP | A+ | 45 | 115 | 78 | 117 | A+ |
| T4e - 50 ESP | A+ | 50 | 115 | 78 | 117 | A+ |
| T4e - 60 ESP | A+ | 60 | 115 | 78 | 117 | A+ |
| Series: T4e with integrated electrostatic precipitator (T4e ESP) in Pellet operation | | | | | | |

g) any specific precautions that shall be taken when the solid fuel boiler is assembled, installed or maintained, please refer to assembly instructions and operating instructions for the series respectively!

Remarks:

*) preferred fuel

Restrictions:

All declarations mentioned in column i) and j) are valid only in combination with a Fröling control system delivered with the boiler.

For packages using other than Fröling components liability for calculation of efficiency data is excluded!

| Ecodesign requirements - Commission Regulation (EU) 2015/1189 - Emissions in mg/m³ | |
|--|-------|
| seasonal space heating emissions of particulate matter (PM) | ≤ 40 |
| seasonal space heating emissions of organic gaseous compounds (OGC) | ≤ 20 |
| seasonal space heating emissions of carbon monoxide (CO) | ≤ 500 |
| seasonal space heating emissions of nitrogen oxides (NO _x) | ≤ 200 |
| Emission values based on dry flue gas at standard conditions (0°C, 1013 mbar) with a volume content of oxygen of 10% | |

PRODUCT FICHE according DELEGATED REGULATION (EU) 2015/1189,

Product line:

**Wood chip and pellet boilers series T4e / T4e ESP
80, 90, 100, 110, 120, 200, 250 kW**

a) supplier's name or trademark:

Fröling Heizkessel- und Behälterbau Ges.m.b.H.

| Ecodesign requirements - Commission Regulation (EU) 2015/1189 - Emissions in mg/m³ | |
|--|-------|
| seasonal space heating energy efficiency | ≥ 77 |
| seasonal space heating emissions of particulate matter (PM) | ≤ 40 |
| seasonal space heating emissions of organic gaseous compounds (OGC) | ≤ 20 |
| seasonal space heating emissions of carbon monoxide (CO) | ≤ 500 |
| seasonal space heating emissions of nitrogen oxides (NO _x) | ≤ 200 |
| Emission values based on dry flue gas at standard conditions (0°C, 1013 mbar) with a volume content of oxygen of 10% | |