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Confirmation

seasonal space heating emissions (E_s)

of solid fuel boilers

Manufacturer	Thermo FLUX D.O.O. Skela b.b., 70101 Jajce Bosna i Hercegovina
Name of the device	„Pelling 25 ECO"
Testing Fuel	Wood pellets (EN plus A1)
Thermal output total kW	25
Partial load kW	8
Test reports for the evaluation[1]:	PL-14023-P-Korrektur from 31.06.2015 PL-11160-P from 28.11.2011 of the Test Laboratory for Combustion Plants at the Institute of Chemical, Environmental & Bioscience Engineering of the Vienna University of Technology.
Appendix	Calculation of seasonal space heating emissions (E_s)

Based on the test reports and according to the "COMMISSION REGULATION (EU) 2015/1189 of 28 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel boilers" following seasonal space heating emissions results:

Emissions	**seasonal space heating emission (E_s)**	**unit**
particulate matter	22	mg/m^3
organic gaseous compounds	3	mg/m^3
carbon monoxide	161	mg/m^3
nitrogen oxides	165	mg/m^3

Vienna, 02.03.2020

Person responsible for testing

Dipl.-Ing. S. Diem

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[1] The test results relate only to the test object at the time of testing.

Appendix: Calculation of seasonal space heating emissions (E_s) for the boiler „Pelling 25 ECO“

The seasonal space heating emissions E_s of respectively particulate matter, organic gaseous compounds, carbon monoxide and nitrogen oxides are calculated for manually stoked solid fuel boilers that can be operated at 50 % of the rated heat output in continuous mode, and for automatically stoked solid fuel boilers as follows:

$$E_s = 0{,}85 \times E_{s,p} + 0{,}15 \times E_{s,n}$$

where:

Es,p are the emissions of respectively particulate matter, organic gaseous compounds, carbon monoxide and nitrogen oxides measured at 30 % or 50 % of rated heat output, as applicable;

Es,n are the emissions of respectively particulate matter, organic gaseous compounds, carbon monoxide and nitrogen oxides measured at rated heat output.

Emissions of particulate matter, organic gaseous compounds, carbon monoxide and nitrogen oxides shall be expressed standardised to a dry flue gas basis at 10 % oxygen and standard conditions at 0 °C and 1 013 millibar.

Emissions	$E_{s,n}$	$E_{s,p}$	E_s	**unit**
particulate matter	13	23	22	mg/m^3
organic gaseous compounds	3	3	3	mg/m^3
carbon monoxide	85	174	161	mg/m^3
nitrogen oxides	182	162	165	mg/m^3