

TEST CERTIFICATE

Extract of report no.: 300-ELAB-2430

Manufacturer: NIBE-BIAWAR sp. z o.o
Al. Jana Pawla II 57, 15-703 Bialystok
VAT nr. PL5420200292

Product: Biofuel boiler



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Model: Pellux Compact 12 boiler & PBMAX 12.1 burner
Pellux Compact 12 Touch boiler & PBMAX 12.1 burner
Pellux Compact Touch boiler & PBMAX 12.1 burner
Metrocompact 12 boiler & PBMAX 12.1 burner

Procedure: Testing according to EN 303-5:2012

Requirements: Commission regulation (EU) No. 2015/1189, Annex II, Article 1

Stoking princ.: Automatic **Fuel:** Biomass

Testing has been carried out with wood pellets (C1) with the following results:

TEST RESULTS

| Measurement | Unit | Result | Limits |
|--|--------------------------------|--------|--------|
| Nominal heat output | kW | 13,2 | |
| CO at 10% O ₂ | mg/m _n ³ | 115 | |
| OGC at 10% O ₂ | mg/m _n ³ | < 6 | |
| Dust at 10% O ₂ | mg/m _n ³ | 33 | |
| NO _x at 10% O ₂ | mg/m _n ³ | 194 | |
| Efficiency | % | 93,4 | |
| Minimum heat output | kW | 3,5 | |
| CO at 10% O ₂ | mg/m _n ³ | 402 | |
| OGC at 10% O ₂ | mg/m _n ³ | 18 | |
| Dust at 10% O ₂ | mg/m _n ³ | 31 | |
| NO _x at 10% O ₂ | mg/m _n ³ | 157 | |
| Efficiency | % | 89,1 | |
| Seasonal emissions | | | |
| CO at 10% O ₂ | mg/m _n ³ | 359 | 500 |
| OGC at 10% O ₂ | mg/m _n ³ | 16 | 20 |
| Dust at 10% O ₂ | mg/m _n ³ | 31 | 40 |
| NO _x at 10% O ₂ | mg/m _n ³ | 163 | 200 |
| Seasonal space heating energy efficiency | | | |
| η _s | % | 78,4 | 75 |
| η _{son} | % | 83,1 | |
| F1 | % | 3,0 | |
| F2 | % | 1,7 | |

Please note that the stated values are an extract from the test report. For further information please refer to the test report.

Aarhus, 30. September 2019

Torben Nørgaard Jensen
B. Sc.

This certificate has been conducted and calculated on the basis of an accredited test report performed by the test institute under the accreditation of DANAK member of EA and ILAC.