



ASSURANCE

Type: Biomass Central Heating System
Model(s): Varan 1.20
Manufacturer: Strebelwerk GMBH, Austria

TEST RESULTS

Stoking Method: Automatic

Fuel: Biogenic

Test is conducted with (C1) ø 6mm wood pellets and following results are obtained:

Performance				Requirements: Austria UZ37 2020	
Nominal output		20.03 kW			
CO /10% O ₂ /	111.88 mg/Nm ³	CO /13% O ₂ /	81.37 mg/Nm ³	55.32 mg/MJ	≤ 115 mg/MJ
Dust /10% O ₂ /	16.94 mg/Nm ³	Dust /13% O ₂ /	12.32 mg/Nm ³	8.38 mg/MJ	≤ 15 mg/MJ
OGC /10% O ₂ /	7.78 mg/Nm ³	OGC /13% O ₂ /	5.66 mg/Nm ³	3.85 mg/MJ	≤ 5 mg/MJ
NOx /10% O ₂ /	211.94 mg/Nm ³	NOx /13% O ₂ /	154.14 mg/Nm ³	104.80 mg/MJ	≥ 100 mg/MJ
Efficiency	92.91 %				

Performance		Requirements: Austria UZ37 2020	
Reduced output	9.95 kW		
CO /10% O ₂ /	195.37 mg/Nm ³	CO /13% O ₂ /	142.09 mg/Nm ³
Dust /10% O ₂ /	18.20 mg/Nm ³	Dust /13% O ₂ /	13.24 mg/Nm ³
OGC /10% O ₂ /	4.81 mg/Nm ³	OGC /13% O ₂ /	3.50 mg/Nm ³
NOx /10% O ₂ /	203.90 mg/Nm ³	NOx /13% O ₂ /	148.29 mg/Nm ³
Efficiency	94.89 %		

The present Assurance has been issued on the basis of Test Report **CPR-071/18.04.2016**, issued by the Testing laboratory of Item Consult LTD with Certificate №: CPR 21 – NB 1837/11.11.2014 issued by Ministry of Regional Development and Public Works of the Republic of Bulgaria in accordance with BS EN ISO / IEC 17025 and Test Reports **3481.2/20.05.2015**, **3841.2/22.05.2015**, **3481.3/20.05.2015** and **3841.3/22.05.2015** issued by the Testing and calibration laboratory of Pehlivanov Engineering LTD with Certificate №:5 LEC / valid until 30.06.2013 released by EA BAS BDS EN ISO / IEC 17025:2006.

2020-09-28

Manager:

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