

# „ITTEM Consult” Ltd

Sofia 1220, 8, Istorija Slavianobulgarska Blvd., Bulgaria

CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

№ИП-459/05.12.2023

## ASSURANCE

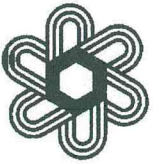
Type Solid fuel pellet boiler with automatic charging  
Manufacturer Costruzioni Tecniche Meccaniche S.r.l.  
Via Cese Nove, s.n.c. – Zona Industriale 82030 San Salvatore Telesino (BN) – ITAL  
Model Magikfire Gold 25; CTMMGKGOLD252023  
Procedure Testing EN 303-5:2021

### TEST RESULTS

Stoking Method: automatic charging  
Boiler with pellet burner

Fuel: pellets Ø 6, cl. A  
Test report for the fuel № 14124/26.04.2023, / Eurotest-Control EAD

Performance	Requirements:	Italy Class 5 Stelle
<b>Nominal output</b>	<b>25.70 kW</b>	
CO /10% O <sub>2</sub> /	20.14 mg/Nm <sup>3</sup>	
Dust /10% O <sub>2</sub> /	6.73 mg/Nm <sup>3</sup>	
OGC /10% O <sub>2</sub> /	5.01 mg/Nm <sup>3</sup>	
NOx /10% O <sub>2</sub> /	158.92 mg/Nm <sup>3</sup>	
Efficiency	93.67 %	≥92 %



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CO	/13% O <sub>2</sub> /	14.65	mg/Nm <sup>3</sup>	9.96	mg/MJ	≤25.00	mg/Nm <sup>3</sup>
Dust	/13% O <sub>2</sub> /	4.89	mg/Nm <sup>3</sup>	3.33	mg/MJ	≤10.00	mg/Nm <sup>3</sup>
OGC	/13% O <sub>2</sub> /	3.64	mg/Nm <sup>3</sup>	2.48	mg/MJ	≤5.00	mg/Nm <sup>3</sup>
NOx	/13% O <sub>2</sub> /	115.58	mg/Nm <sup>3</sup>	78.62	mg/MJ	≤120.00	mg/Nm <sup>3</sup>

### Reduced output

CO	/10% O <sub>2</sub> /	21.61	mg/Nm <sup>3</sup>
Dust	/10% O <sub>2</sub> /	10.98	mg/Nm <sup>3</sup>
OGC	/10% O <sub>2</sub> /	8.16	mg/Nm <sup>3</sup>
NOx	/10% O <sub>2</sub> /	123.23	mg/Nm <sup>3</sup>
Efficiency		96.83	%

CO	/13% O <sub>2</sub> /	15.72	mg/Nm <sup>3</sup>	10.69	mg/MJ
Dust	/13% O <sub>2</sub> /	7.99	mg/Nm <sup>3</sup>	5.43	mg/MJ
OGC	/13% O <sub>2</sub> /	5.93	mg/Nm <sup>3</sup>	4.04	mg/MJ
NOx	/13% O <sub>2</sub> /	89.62	mg/Nm <sup>3</sup>	60.97	mg/MJ

The present Assurance has been issued on the basis of Test Report № 053/08.09.2023, issued by the Testing laboratory of Item Consult LTD with Certificate BSA №: 124 LI/1.02.2022 and Public Works of the Republic of Bulgaria in accordance with BS EN ISO / IEC 17025.

2023-12-05

Manager:  ITEM CONSULT LTD

/M. Sc. L. Vasilev /