

„ITEM Consult“ Ltd

Sofia 1220, 8, Istorica Slavianobulgarska Blvd., Bulgaria

CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

№ ДИ-464/05.12.23

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 31; CTMMGGKGLD3120223
Procedure Testing EN 303-5:2021

TEST RESULTS

Stoking Method: automatic charging
Boiler with pellet burner

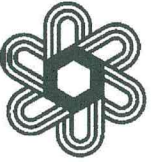
Fuel: pellets Ø 6, cl. A
Test report for the fuel № 14124/26.04.2023, / Eurotest-Control EAD

Performance Requirements:

Italy Class 5 Stelle

Nominal output	32.57 kW
CO /10% O ₂ /	19.89 mg/Nm ³
Dust /10% O ₂ /	6.85 mg/Nm ³
OGC /10% O ₂ /	2.00 mg/Nm ³
NOx /10% O ₂ /	160.92 mg/Nm ³
Efficiency	96.24 %

≥92 %



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CO	/13% O ₂ /	14.47	mg/Nm ³	9.84	mg/MJ	≤25.00 mg/Nm ³
Dust	/13% O ₂ /	4.98	mg/Nm ³	3.39	mg/MJ	≤10.00 mg/Nm ³
OGC	/13% O ₂ /	1.45	mg/Nm ³	0.99	mg/MJ	≤5.00 mg/Nm ³
NOx	/13% O ₂ /	117.03	mg/Nm ³	79.61	mg/MJ	≤120.00 mg/Nm ³

Reduced output

CO	/10% O ₂ /	30.23	mg/Nm ³
Dust	/10% O ₂ /	10.58	mg/Nm ³
OGC	/10% O ₂ /	4.09	mg/Nm ³
NOx	/10% O ₂ /	133.13	mg/Nm ³
Efficiency		96.46	%

CO	/13% O ₂ /	21.99	mg/Nm ³	14.96	mg/MJ
Dust	/13% O ₂ /	7.69	mg/Nm ³	5.23	mg/MJ
OGC	/13% O ₂ /	2.97	mg/Nm ³	2.02	mg/MJ
NOx	/13% O ₂ /	96.82	mg/Nm ³	65.87	mg/MJ

The present Assurance has been issued on the basis of Test Report № 054/18.09.2023, issued by the Testing laboratory of Item Consult LTD with Certificate BSA №: 124 LI/11.02.2022 and Public Works of the Republic of Bulgaria in accordance with BS EN ISO / IEC 17025.

2023-12-05

Manager: 
"ИТЕМ КОНСУЛТ" ЕООД
София

/M. Sc. L. Vasilev /