



CARGOINSPECT – OPREMA SKOPJE

Corporation for Superintendence of Goods

CE Declaration of Conformity

Nr. 11-988-2009/1635

Manufacturer: CMD Service s.r.l, C.da Severini 23, 66030 Treglio (CH), Italy
tel: 0872 42012, fax: 0872 712275, www.cmdcaldaie.com

Type of Equipment: **Automatic Solid Fuel Boiler**

Model: **CMD028G3080 (80 kW)**

Application of	98/37/EC	Machinery Directive
Council Directive(s):	2001/95/EC	General Product Safety Directive
	2006/95/EC	Low Voltage Directive
	93/68/EEC	CE Marking Directive

Harmonized Standards: EN 303-5:1999, EN 14785:2006, EN 50165:1997

Testing Provider: Cargoinspect-Oprema Doo
and Certification Body: Marsal Tito 2/14a, 1000 Skopje, Macedonia


We, the Undersigned, hereby declare that the equipment above conforms to the above Directives and Standards, when installed in accordance with the manufacturers specifications.

Place of Issue:
Skopje, Macedonia

CARGOINSPECT-OPREMA
D.O.O. SKOPJE
Quality and Quantity Inspection

Date of Issue: 22.12.2009

Signed:


Dimitrija Risteski, Manager

The findings in this report refer only to the sample submitted.



CARGOINSPEKT - OPREMA D.O.O. - SKOPJE

Test Protocol No. 11-988-2009/1635

Subject of test: Automatic fireplace (Hotwater Boiler) fired by wood pellets

Tested sample: CMD028G3080(80KW)

Test date: 22.12.2009

Test according to: EN 14785 - Residential space heating appliances fired by wood pellets -
- Requirements and test methods

a) EN 14785 Clause 4

Materials, design and construction Production documentation	Test results (*)
Name and address of the manufacturer	√
The name, serial number and description of the appliance	√
The specification of the materials used in the construction of the appliance	√
The documentation include the necessary information	√
The nominal heat output in kW using fuels recommended by the manufacturer	√
Covers, operating controls, safety devices and electrical accessories shall be arranged in such a way that their surface temperatures, do not exceed the maximum specified in the standard	√
Thermal insulation made of non-combustible material	√
The appliance is fitted with a fire door, designed to prevent accidental opening and to facilitate positive closure	√
The appliance is manufactured from the following material (according to Table 1; EN 10025:1993)	S235JRG2
Material for the glass door (temperature resistant to 750 °C)	Ceramic glass
Dimensions of the appliance (mm)	1400x1200x1350

b) EN 14785 Clause 5

Safety temperature test	Test results (*)
The temperature of any adjacent walls, floor or ceiling or other structure constructed of combustible materials do not exceed the ambient temperature by more than 60 K	√
Temperature in integral fuel storage container does not exceed the ambient temperature by more than 60 K	√
Mains operated electrical equipment is fitted as part of the appliance	√
Does the appliance comply with the electrical safety requirements of EN 50165	√

(*) √ - yes
/ - no

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c) EN 14785 Clause 6

Performance test	Test results (*)
Performance test at nominal heat output and partial heat output in accordance with A.4.7 and A.4.8	√
Flue gas temperature in the test measurement section is measured and recorded	√
Total heat output according to A.6.2.2 / $P = (\eta \times B \times H_u) / (100 \times 3600)$ /	80KW
Total efficiency at nominal heat output according to A.6.2.1 / $\eta = 100 - (q_a + q_b + q_r)$ /	97 (%)
Flue gas sampling performed by suction pyrometer probe	√
The carbon monoxide (CO) concentration calculated to 13% oxygen (O ₂) content in the flue gas in accordance with A.4.7 or A.4.8	0,020 (%) (310,5 mg/m ³)
Flue gas temperature measured by a thermocouple located inside a suction pyrometer probe	√

d) EN 14785 Clause 7

Installation instructions	Test results (*)
Full assembly instructions for the appliance, especially if supplied in parts	√
Appliance model, number or type	√
Nominal heat output in kilowatts	√
The requirements for the electrical power supply	√
An indication of the heat released to the room in which the appliance is installed	√
Mass of the appliance in kilograms	√
Any necessary safety clearance distances from combustible materials	√
Minimum chimney draught requirements (in Pa) for safe operation, nominal heat output and partial heat output	√
The mean flue gas temperature directly downstream of the flue spigot/socket in °C	√
Advice on the need to provide access for cleaning the appliance and the flue gas connector and the chimney flue	√
Whether or not the appliance is suitable for installation in a shared flue	√
Installation of cut-off and damper devices, as well as all safety devices where applicable	√
Requirements for the installation space within the surround and outside the surround in the radiation area	√
The installation and operation of any control and safety equipment	√

(*) √ - yes
/ - no

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User Operating Instructions	
National and local operation conditions particular to the country in which it is to be distributed and on the permitted type of fuels	✓
A list of the types and sizes of recommended fuels in accordance with the requirements of this standard	✓
Instructions, for refuelling the hopper	✓
Instructions for the safe and efficient operation of the appliance including the ignition procedure	✓
Advice that the appliance shall not be used as an incinerator and that no other fuels than pellets shall be used	✓
Advice on the correct operation of any adjusting devices and controls	✓
Warning that the firebox must always be closed when the appliance is in operation	✓
Ventilation requirements for simultaneous operation with other heating appliances	✓
Advice on the regular cleaning of the appliance, flue gas connector and chimney flue and highlight the need to check for blockage prior to lighting after a prolonged shutdown period	✓
Instructions on ensuring the adequate provision of combustion air and ventilation air and safe removal of flue gases	✓
Instructions on simple fault finding and the procedure for the safe shut down of the appliance in event of malfunction e.g. overheating	✓
A warning that the appliance especially the external surfaces will be hot to touch when in operation	✓
Need to adhere to any necessary safety clearances from combustible materials and guidance on protecting against the risk of fire in and outside the radiation area	✓
Warning against any unauthorized modification of the appliance	✓
A recommendation to use only replacement parts recommended by the manufacturer	✓
Advice about action in the event of a chimney fire	✓
The appliance efficiency and CO values	✓

e) EN 14785 Clause 8

Marking	Test results (*)
The manufacturer's name or registered trademark	✓
The type and model number or designation to enable the appliance to be identified	✓
The number of this European standard	✓
The measured CO concentration at 13 % oxygen content and the determined appliance efficiency at nominal heat output, as defined in 6.3	✓
"read and follow the operating instructions"	✓

(*) ✓ - yes
/ - no



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"use only recommended fuels"	✓
The minimum safety clearance distances from combustible materials if applicable	✓
The consumption of electrical energy	✓

f) EN 14785 Annex B

Test Fuel	Test results (*)
Type of test fuel	wood pellets
Hydrogen content (as fired basis)	5,6 (%)
Carbon content (as fired basis)	43 (%)
Sulphur content (as fired basis)	0,06 (%)
Calorific value (as fired basis)	20930 (kJ/kg)
Moisture content (as fired basis)	8 (%)
Dimension of the pellets	φ6 x 8-12 (mm)

Testing body:
Cargoinspect-Oprema Doo
Quality and Quantity Inspection

Place and date of issue:
Skopje, 22.12.2009



Inspector:
Aleksandar Stavrev

Director:
Dimitrija Risteski

(*) ✓ - yes
/ - no

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