

**Initial type test**

**Room heaters fired by solid fuels in accordance with DIN EN 13240: 10/ 2005**

Manufacturer: **La Nordica S.p.A**  
Via Summano, 104  
I-36030 Montecchio Precalcino (VI)

Type designation: ***Isotta Evo; Isotta con cerchi Evo***

Type of appliance: 1a according to table 1

Special features: Room heater for wood logs without hot water heat exchanger for connection to the heating system, Cast iron body, handle combustion air control and flue gas exhaust on the back.

Construction: fully closed firebox

Features: None

Nominal heat output: 11,9 kW

Type of fuel: Wood logs

Type of loading: Manual loading

Date of test: 25/07/12

**Results of inspection:**

The technical requirements cl. 4-8 of the above mentioned standard are fulfilled. The local installation and operating conditions are to be observed.

The electrical safety cl. 5.9. of the standard was not a part of this initial type testing.

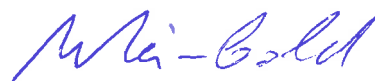
**Remarks: -**

Dated in Cologne, 18.10.2012  
432/mr

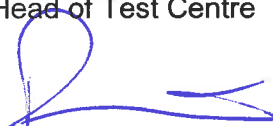
TÜV Rheinland Industrie Service GmbH  
Test Centre according to Construction Product Law  
Notified Body: 0035

Inspector

Head of Test Centre



Dipl.-Ing. M. Reimbold



Dipl.-Ing. R. Rückwart

Residential space heating appliances fired by wood logs, Initial Type Test in accordance with the directive 89/106/EEC, conformity certification system 3  
Test Centre according to § 11 paragr.1 sentence 1 no. 2 Building Products Act for procedures according to § 8 paragr.2 sentence 1 no. 2 Building Products Act

A 4.7		Testing of nominal heat output, measurement test results	
Model		<i>Isotta Evo / Isotta con cerchi Evo</i>	
Fuel		wood logs	
		Required	Achieved
			Average (tests)
Nominal heat output	kW	-	11,9
Efficiency	%	> 50	82,06
CO <sub>2</sub> - content in flue gas	Vol. %	no requirements	10,99
CO-emission, measured value	ppm	-	1435,9
CO-emission, measured value	mg/kWh	-	3011,1
CO-emission ref. to 13 Vol.-% O <sub>2</sub>	mg/m <sup>3</sup>	-	1248,8
CO-emission ref. to 13 Vol.-% O <sub>2</sub>	Vol. %	1 Vol. % at 13 Vol. % O <sub>2</sub> in Flue gas	0,1
NOx-emissions, measured value	ppm	no requirements	60,8
NOx-emissions, measured value	mg/kWh	no requirements	209,1
NOx-emissions ref. 13 Vol. % O <sub>2</sub>	mg/m <sup>3</sup>	no requirements	86,5
OGC-emissions, measured value	mg/m <sup>3</sup>	no requirements	32,3
OGC-emissions ref. to 13 Vol.-% O <sub>2</sub>	mg/m <sup>3</sup>	no requirements	22,1
OGC-emissions, measured value	mg/kWh	no requirements	51,9
Dust emissions to 13 Vol. % O <sub>2</sub>	mg/m <sup>3</sup>	no requirements	10,3
Dust emissions	mg/kWh	no requirements	24,3
Flue gas mass flow	g/s	no requirements	9,3
Flue gas temperature	°C	no requirements	272,0
Pressure on flue gas	Pa	12 ± 2	11,0