

1 Test item

Initial type testing: **Roomheater Bahr**
 Design testing: **Roomheaters Veld, Sava and Nogal**

2 Client

MCZ Group
 Via la Croce, 8
 I – 33074 Vigonovo di Fontanafredda (PN)

3 Size an placing of the order

The size of the order includes the initial type testing of the roomheater Bahr and the design testing of the roomheaters Veld, Sava, and Nogal according to EN 13240 „Roomheaters fired by solid fuel – Requirements and test methods“ having regard to the agreements according to clause 15a B-VG „Schutzmaßnahmen betreffend Kleinfeuerungen“ (Protective provisions concerning small firing plants) and „Einsparung von Energie“ (The economy of energy) as well as to the „Ersten Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1. BImSchV)“.

The testing of the roomheater Bahr was carried out in the testing rooms of the „Versuchs- und Forschungsanstalt der Hafner Österreichs“ (Research and Testing Center of the Austrian stove-fitters). At the testing 2 tests at nominal heat output, 1 test at lower heat output and 1 test of the fire safety were carried out with the test-fuel logwood. The testing of the roomheaters Veld, Sava, and Nogal was carried out as a design-testing.

The placing of the order occurred in September 2010.

4 Results

	No.	Heat output level	Test results		Limit values		
					Art. 15a	BImSchV - Stufe 1	EN 13240
			mg/MJ	mg/m ³ _N (13%O ₂)	mg/MJ	mg/m ³ _N (13%O ₂)	%
CO	1	Nominal	590	889	1100	2000	1
	2	Nominal	777	1171			
	3	Lower	979	1476			
NO ₂	1	Nominal	78	118	150	-	-
	2	Nominal	71	107			
	3	Lower	94	142			
OGC	1	Nominal	36	46	80	-	-
	2	Nominal	73	93			
	3	Lower	64	81			
Dust	1	Nominal	15	27	60	75	-
	2	Nominal	19	33			
	3	Lower	-	-			
η (%)	1	Nominal	84,5		78	73	50
	2	Nominal	84,9				
	3	Lower	81,6				

The requirements of EN 13240 are fulfilled as per clause 10.2 of the test report VFH-11-004-P.

The limit values for emissions of the agreement according to clause 15a B-VG „Schutzmaßnahmen betreffend Kleinfeuerungen“ (Protective provisions concerning small firing plants) for manually loaded small firing plants are fulfilled. The efficiency as required in the agreement according to clause 15a B-VG „Einsparung von Energie“ (The economy of energy) is achieved. The specified nominal heat output (7 kW) is achieved. The values according to the „Ersten Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1. BImSchV) – Stufe 1“ are fulfilled.

This short test report is an abstract of the test report VFH-11-004-P. It is only valid in connection with the test report VFH-11-004-P.

Schiffert Thomas

Dipl.- Ing. Dr. Thomas Schiffert
 Authorized signatory



GZ.: BMWFJ-92.714/0069-I/12/2009

Vienna, 14.07.2011

NB 1733

