

1 Test item

Initial type testing: **Pellet-roomheater Vivo 90 Pellet**

2 Client

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

3 Size and placing of the order

The size of the order includes the initial test testing of the pellet-roomheaters Vivo 90 Pellet according to EN 14785 „Residential space heating appliances fired by wood pellets – requirements and test methods“ having regard to the agreements according to clause 15a B-VG „Inverkehrbringen von Kleinfeuerungen und die Überprüfung von Feuerungsanlagen und Blockheizkraftwerken“ as well as to the „Erste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1. BImSchV) - Stufe 2“. The testing of the pellet-roomheater Vivo 90 Pellet was carried out in the testing rooms of the „Versuchs- und Forschungsanstalt der Hafner Österreichs“ (Research and Testing Centre of the Austrian stove-fitters). At the testing two tests at nominal heat output, a test at lower heat output as well as a test of the fire safety were carried out with the test-fuel wood pellets. The placing of the order occurred in January 2014.

4 Results

	No.	Heat output level	Test results			Limit values		
						Art. 15a B-VG	EN 14875	BImSchV Stufe 2
			mg/MJ	% (13% O ₂)	mg/m ³ _N (13% O ₂)	mg/MJ	% (13% O ₂)	mg/m ³ _N (13% O ₂)
CO	1	Nominal	101	0,01	164	500	500	250
	2	Nominal	86	0,01	140			
	3	Lower	454	-	740			
NO ₂	1	Nominal	68	-	111	150/100 ¹	-	-
	2	Nominal	68	-	112			
	3	Lower	66	-	107			
OGC	1	Nominal	3	-	4	30	-	-
	2	Nominal	2	-	3			
	3	Lower	21	-	29			
Dust	1	Nominal	6	-	11	50/25 ¹	-	30
	2	Nominal	8	-	13			
	3	Lower	12 ²	-	20 ²			
η (%)	1	Nominal	93,1					85
	2	Nominal	93,1					
	3	Lower	94,4					

¹ Limit values valid from 2015

² According to Clean Air Act 1993 and Clean Air Order 1981 (United Kingdom of Great Britain and Northern Ireland)

The requirements of EN 14785 are fulfilled as per clause 10.2 of the test report VFH-14-020-P. The limit values for emissions and efficiency of the agreement according to clause 15a B-VG „Inverkehrbringen von Kleinfeuerungen und die Überprüfung von Feuerungsanlagen und Blockheizkraftwerken“ and the „Erste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1.BImSchV) - Stufe 2“ for automatically loaded small firing plants are fulfilled. The specified nominal heat output (10,5 kW) is achieved.

This short test report is an abstract of the test report VFH-14-020-P. It is only valid in connection with the test report VFH-14-020-P.


Dipl.- Ing. Dr. Thomas Schiffert
Authorized Signatory



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