

## 1 Test item

Initial type testing: Pellet room heater Boxtherm 70

## 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 testing of the pellet room heater Boxtherm 70 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 Kleinf Feuerungen 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 room heater Boxtherm 70 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 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 September 2011.

## 4 Results

	No.	Heat output level	Test results			Limit values		
			mg/MJ	% (13% O <sub>2</sub> )	mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )	Art. 15a mg/MJ	EN 14785 mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )	BImSchV Stufe 2 mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )
CO	1	Nominal	122	0,02	199	500	500	250
	2	Nominal	109	0,01	178			
	3	Lower	252	-	412	750	750	-
NO <sub>2</sub>	1	Nominal	80	-	131	150/100 <sup>1</sup>	-	-
	2	Nominal	73	-	119			
	3	Lower	68	-	110	-	-	-
OGC	1	Nominal	3	-	5	30	-	-
	2	Nominal	5	-	7			
	3	Lower	9	-	12			
Dust	1	Nominal	< 8	-	< 15	50/25 <sup>1</sup>	-	30
	2	Nominal	9	-	18			-
	3	Lower	-	-	-	-	-	-
η (%)	1	Nominal	93,3			78/80 <sup>1</sup>	75	85
	2	Nominal	92,2					-
	3	Lower	95,9			-	70	-

<sup>1</sup> Limit values valid from 2015.

The requirements of EN 14785 are fulfilled as per clause 9.2 of the test report VFH-12-002-P.

The limit values for emissions and efficiency of the agreement according to clause 15a B-VG „Inverkehrbringen von Kleinf Feuerungen 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 (8.8 kW) is achieved. This short test report is an abstract of the test report VFH-12-002-P. It is only valid in connection with the test report VFH-12-002-P.

This short test report replaces the short test report VFH-12-002-KP.



Dipl.- Ing. Dr. Thomas Schiffert  
Authorized signatory



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