

1 Test item

Design-testing: Pellet stoves Ego Comfortair, Star Comfortair und Toba Comfortair

2 Client

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

3 Size and placing of the order

The size of the order includes the design-testing of the pellet stoves Ego Comfortair, Star Comfortair and Toba Comfortair 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 „Schutzmaßnahmen betreffend Kleinf Feuerungen“ (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)“.

For examination of the identicalness of construction and characteristics the pellet stoves Ego Air, Star Air (Test report VFH-09-004-P) as well as Toba Air (Test report VFH-10-005-EP) were taken as objects of comparison. Concerning the fire safety the pellet stoves Suite Multiair, Club Multiair and Musa Multiair (Test report VFH-09-005-P) were also taken as objects of comparison.

The placing of the order occurred in March 2011.

4 Results

	No.	Heat output level	Test results		Limit values		
					Art. 15a	BImSchV - Stufe 2	EN 14785
			mg/MJ	mg/m ³ _N (13%O ₂)	mg/MJ	mg/m ³ _N (13%O ₂)	mg/m ³ _N (13%O ₂)
CO	1	Nominal	125	198	500	250	500
	2	Nominal	96	151			
	3	Lower	196	309			
NO ₂	1	Nominal	76	121	150	-	-
	2	Nominal	79	125			
	3	Lower	61	97			
OGC	1	Nominal	4	6	40	-	-
	2	Nominal	2	3			
	3	Lower	6	8			
Dust	1	Nominal	11	20	60	30	-
	2	Nominal	14	24			
	3	Lower	-	-			
η (%)	1	Nominal	91,8		78	85	75
	2	Nominal	91,6				
	3	Lower	94,1				

The requirements of EN 14785 are fulfilled as per clause 8.2 of the test report VFH-11-006-EP.

The limit values for emissions of the agreement according to clause 15a B-VG „Schutzmaßnahmen betreffend Kleinf Feuerungen“ (Protective provisions concerning small firing plants) for automatically 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 (8 kW) is achieved.

The values according to the „Ersten Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1. BImSchV) – Stufe 2“ are fulfilled.

This short test report is an abstract of the test report VFH-11-006-EP. It is only valid in connection with the test report VFH-11-006-EP.

Schiffert Thomas



Dipl.- Ing. Dr. Thomas Schiffert
Authorized signatory

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