

1 Test item

Initial type testing: Pellet stove Primula Multiair
 Design testing: Pellet stove Orchidea Multiair

2 Client

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

3 Size and placing of the order

The testing of the pellet stoves Orchidea Multiair and Primula Multiair was carried out according to EN 14785 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).

The testing of the pellet stove Primula Multiair 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 and one test of the fire safety were carried out with the test-fuel wood-pellets. The data of the test report VFH-09-005-P (Pellet stove Suite Multiair of MCZ GROUP) were considered for the emission behavior and the energy efficiency. For examination of the identicalness of construction and characteristics of the stoves Orchidea Multiair and Primula Multiair the pellet stove Suite Mutlitar (test report VFH-09-005-P) was taken as an object of comparison. The testing of the pellet stove Orchidea Multiair was carried out as a design-testing. The placing of the order occurred in August 2010.

4 Results

	No.	Heat output level	Test results		Limit values	
			mg/MJ	mg/m ³ N (13%O ₂)	Art. 15a	EN 14785
					mg/MJ	mg/m ³ N (13%O ₂)
CO	1	Nominal	90	143	500	500
	2	Nominal	117	184		
	3	Lower	196	309		
NO ₂	1	Nominal	86	136	150	-
	2	Nominal	83	130		
	3	Lower	61	97		
OGC	1	Nominal	5	7	40	-
	2	Nominal	7	9		
	3	Lower	6	8		
Dust	1	Nominal	10	17	60	-
	2	Nominal	12	22		
	3	Lower	-	-		
η (%)	1	Nominal	90,0		78	75
	2	Nominal	90,5			
	3	Lower	94,1			70

The requirements of EN 14785 are fulfilled as per clause 11.2 of the test report VFH-10-011-P.

The limit values for emissions of the agreement according to clause 15a B-VG „Sicherheitsmaßnahmen 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 is achieved.

This short test report is an abstract of the test report VFH-10-011-P. It is only valid in connection with the test report VFH-10-011-P.



Dipl.- Ing. Dr. Thomas Schiffert
 Authorized signatory



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