

1 Test item

Design-testing: Pellet-roomheater Ego 2.0 Comfort Air / Star 2.0 Comfort Air Suite 2.0 Air / Club 2.0 Air / Musa 2.0 Air

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 design- testing of the pellet-roomheaters Ego 2.0 Comfort Air, Star 2.0 Comfort Air, Suite 2.0 Air, Club 2.0 Air, Musa 2.0 Air 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“.

For examination of the identicalness of construction and characteristics the pellet stoves Ego 2.0 Air (test report VFH-14-007-P) as well as Suite 2.0 Comfort Air (test report VFH-14-018-P) were taken as objects of comparison. Concerning the fire safety the pellet stove Suite 2.0 Comfort Air (Test report VFH-14-018-P) was taken as object of comparison.

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	127	0,02	207	500	500	250
	2	Nominal	130	0,02	211			
	3	Lower	385	-	627	750	750	-
NO ₂	1	Nominal	60	-	98	150/100 ¹	-	-
	2	Nominal	60	-	98			
	3	Lower	54	-	85			
OGC	1	Nominal	4	-	5	30	-	-
	2	Nominal	3	-	4			
	3	Lower	18	-	25			
Dust	1	Nominal	9	-	16	50/25 ¹	-	30
	2	Nominal	9	-	17			
	3	Lower	34 ²	-	65 ²	-	-	-
η (%)	1	Nominal	90,3					85
	2	Nominal	90,3					
	3	Lower	92,9					

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-14-021-EP. 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 (10.1 kW) is achieved. This short test report is an abstract of the test report VFH-14-021-EP. It is only valid in connection with the test report VFH-14-021-EP.


Dipl.-Ing. Dr. Thomas Schiffert
Authorized Signatory



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