

Versuchs- und Forschungsanstalt der Hafner Österreichs (VFH)	F-16-2
Short test report No. VFH-16-002/2-1-EKP	
Seite 1 / 1	Stand 12.12.2008

1 Test item

Design testing: Pellet-Roomheater Asko PC10 Comfort Air (10,1 kW)
Pellet-Roomheater St. Moritz PC10 Comfort Air (10,1 kW)

2 Client

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

3 Scope and placing of the order

The scope of the order includes the design testing of the pellet-roomheaters Asko PN10 Comfort Air und St. Moritz PN10 Comfort Air according to EN 14785 „Residential space heating appliances fired by wood pellets – requirements and test methods“ having regard to the agreements according to article 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. BlmSchV) - Stufe 2“.

For examination of the identicalness of construction and characteristics the pellet stove Ego 2.0 Comfort Air (test report VFH-14-021/2-EP) was taken as object of comparison.

The order was placed in February 2015.

4 Results

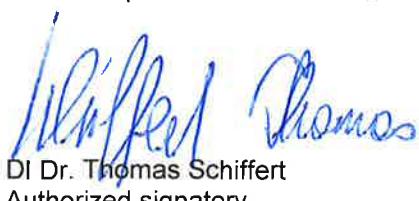
	No.	Heat output level	Test results			Limit values		
			mg/MJ	% (13% O ₂)	mg/m ³ _N (13% O ₂)	mg/MJ	mg/m ³ _N (13% O ₂)	BlmSchV Stufe 2 mg/m ³ _N (13% O ₂)
CO	1	Nominal ¹	129	0,02	209	500	500	250
	2	Lower	385	-	627	750	750	-
NO ₂	1	Nominal ¹	60	-	98	100	-	-
	2	Lower	54	-	85	-	-	-
OGC	1	Nominal ¹	4	-	5	30	-	-
	2	Lower	18	-	25		-	-
Staub	1	Nominal ¹	9	-	17	25	-	30
	2	Lower	34	-	65	-		-
η (%)	1	Nominal ¹	90,3			80	75	85
	2	Lower	92,9				70	-

¹ The declared values are mean values out of two tests at nominal power.

NO₂, OGC and dust-values were measured in accordance with CEN/TS 15883.

The requirements of EN 14785 are fulfilled regarding to chapter 8.2 of the test report VFH-16-002-EP. The limit values for emissions and efficiency of the agreement according to article 15a B-VG „Inverkehrbringen von Kleinfeuerungen und die Überprüfung von Feuerungsanlagen und Blockheizkraftwerken“ and the “Erste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1.BlmSchV) - Stufe 2“ for automatically feeded small firing plants are fulfilled. The specified nominal heat output (10.0 kW) is achieved.

This short test report is a summary of the test report VFH-16-002-EP. It is only valid in connection with the test report VFH-16-002-EP.


DI Dr. Thomas Schiffert
Authorized signatory



NB 1733

Vienna, 23.02.2016

