

## 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  
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## 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 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 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		
						Art. 15a	EN 14785	BImSchV Stufe 2
			mg/MJ	% (13% O <sub>2</sub> )	mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )	mg/MJ	mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )	mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )
CO	1	Nominal <sup>1</sup>	129	0,02	209	500	500	250
	2	Lower	385	-	627	750	750	-
NO <sub>2</sub>	1	Nominal <sup>1</sup>	60	-	98	100	-	-
	2	Lower	54	-	85	-	-	-
OGC	1	Nominal <sup>1</sup>	4	-	5	30	-	-
	2	Lower	18	-	25			
Staub	1	Nominal <sup>1</sup>	9	-	17	25	-	30
	2	Lower	34	-	65			-
η (%)	1	Nominal <sup>1</sup>	90,3			80	75	85
	2	Lower	92,9				70	-

<sup>1</sup> The declared values are mean values out of two tests at nominal power.

NO<sub>2</sub>, 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 Kleinf Feuerungen und die Überprüfung von Feuerungsanlagen und Blockheizkraftwerken“ and the „Erste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1.BImSchV) - Stufe 2“ for automatically fedded 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



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