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Report

**on the initial type test of a residential space heating appliance
fired by wood pellets according to DIN EN 14785**

Test laboratory	TÜV SÜD Industrie Service GmbH Abteilung Feuerungs- und Wärmetechnik Notified Body 0036 according to CPR
Subject of test	Roomheater according to DIN EN 14785
Type	HLP 3402
Client	Schenger GmbH Ochsenweide 8 71453 Wüstenrot
Manufacturer	Ningbo Hongsheng Fireplace Co. Ltd Hudi, Linshan Town, Yuyao City, Zhejiang Province P. R. China
Importer	Schenger GmbH Ochsenweide 8 71453 Wüstenrot OneUp France Poêles STRAUSS 15 Avenue des Fleurs France - 52000 CHAUMONT
Scope of order	Initial type test in the process of assessment and verification of constancy of performance according to Regulation (EU) No 305/2011 (CPR)
Expert	Dipl.-Ing. Dirk Weisgerber
Period of test	Oktober 2024 – Mai 2025
Basis of test	DIN EN 14785:2006-09 DIN EN 14785 Berichtigung 1:2007-10

Date: 2025-05-11

Our reference:
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The test results refer exclusively
to the units under test.

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1 Summary

Client	Schenger GmbH
Manufacturer	Ningbo Hongsheng Fireplace Co. Ltd
Importer	- Schenger GmbH - OneUp France Poêles STRAUSS
Subject of test	Roomheater fired by wood pellets according to DIN EN 14785
Intended use	Space heating
Fuel	Wood Pellets
Type	HLP 3402
General design	Body of the appliance: steel Cover of the appliance: steel cover Front fire door with glass inset Integrated fuel hopper Combustion in burner pot Combustion air supply: induced draught fan With convection air fan Automatically fed with auger Automatic ignition Cleaning and deashing manual Grate integrated in the burner Ash pan

Characteristics at nominal and partial heat output

		Nominal heat output	Partial heat output
Heat output	kW	5.5	2.7
Fuel rate	kg/h	1.3	0.6
CO-Emission (13% Vol. O ₂)	Vol. %	0.011	0.019
CO-Emission (13% Vol. O ₂)	mg/m ³	131	240
NO _x -Emission (13% Vol. O ₂)	mg/m ³	122	123
OGC-Emission (13% Vol. O ₂)	mg/m ³	3	6
Dust-Emission (13% Vol. O ₂)	mg/m ³	17	18
Efficiency	%	93.0	92.3
Flue-gas temperature	°C	109	93
Flue-gas temperature behind the stove in the spigot	°C	131	112
Flue draught	Pa	12	10
Flue gas mass flow	g/s	4.5	3.0
Electrical connection		~ 230 V, 50 Hz	
Distance to combustible	cm	10 (rear wall) / 15 (side wall) 60 (front) / 0 (floor, feet height 2.5)	



The essential characteristics according to appendix ZA.1 of DIN EN 14785 for room heaters fired by wood pellets were tested and the requirements are fulfilled, if the measures in clause 6 have been taken into account. This result is a prerequisite for performing the process of assessment and verification of constancy of performance and CE marking by the manufacturer.

Feuerungs- und Wärmetechnik

A handwritten signature in blue ink, appearing to read 'N. Hörmann'.

Norbert Hörmann
Leiter Laborbereich
Feuerungs-, Wärme- und Abgastechnik

Expert of Notified Body 0036
according to Regulation (EU)
No. 305/2011 (CPR)

A handwritten signature in blue ink, appearing to read 'D. Weisgerber'.

Dirk Weisgerber