

- ❖ Testing laboratory according to Regulation (EU) Nr. 305/2011, notified body No.: NB 1625
- ❖ Testing, monitoring and certification body according to LBO, registered No.: NRW 15
- ❖ Testing, monitoring and certification body in construction supervision licensing procedures
- ❖ DIN CERTCO testing laboratory, registered No. PL139
- ❖ Testing laboratory according to DIN EN ISO/IEC 17025:2018, DAkkS No. D-PL-17727-01-00

The accreditation is only valid within the boundary of the certificates annex.

## Certificate No. RRF - ITT 20 5515-2

Brief summary of the test results for the declaration of performance (DoP) according to regulation (EU) 305/2011 (CPR) from test report No. RRF - 40 20 5515-2

**Product testing acc. to:** EN 13240:2001/A2:2004/AC:2007 - *Roomheater fired by solid fuel*

**Fulfilled requirements:** 1. and 2. level of 1. BImSchV of Germany  
Amendment according to Art. 15a B-VG of the Republic of Austria  
LRV of Switzerland  
Flamme Verte 7★  
Royal Decision No. 2010-3943 (level 1, 2 and 3) of Belgium  
Danish regulation for combustion plants (regulering af luftforurening fra fyringsanlæg til fast brændsel under 1 MW)

**Manufacturer:** **Varde Ovne A/S**  
Pottemagervej 1, DK-7100 Vejle

**Product:** Roomheater fired by solid fuel

**Type, batch, serial number:** **Nordic 7**

**Nordic 9, Nordic 5 Air**

**Purpose of the product:** Room heating in buildings fitted without a boiler

**Nominal heat output:** **6,2 kW (-Solid fuel wood logs)**


**Test result:** The construction product fulfilled all requirements with the mentioned test fuels (p.2) of the above-named european standards and regulations.  
Test results see page 2.

This document is a translation of the original German certificate. In case of doubts, the German version is valid.

This document replaces the document no. RRF - ITT 20 5515-1 dated on 07 September 2020.

Oberhausen, 07 December 2020  
(Place and date)



  
(Dipl.-Ing. S. Müller)  
(stamp and signature of the head of the testing laboratory)

Harmonized technical specification	EN 13240:2001/A2:2004/AC:2007			
Characteristics:	Performance:			
<b>Fire safety</b>	<b>Pass</b>			
Reaction to fire	A1			
<b>Minimum distances to combustibles:</b>				
Position of the fireplace in the trihedron	90°	90° <sup>1)</sup>	90° <sup>2)</sup>	45° <sup>3)</sup>
floor	mm: 0	0	0	0
rear / sides / ceiling	mm: 180 / 450 / ---	100 / 450 / ---	---	---
rear / lateral (window)	mm: ---	---	75 / 250	---
shortest distance to the side	mm: ---	---	---	75
in range of the inspection window (d <sub>P</sub> / d <sub>L</sub> / d <sub>F</sub> )	mm: 800 / 0 / 0	800 / 0 / 0	--- / --- / ---	--- / --- / ---
in range of the lateral window (d <sub>PS</sub> / d <sub>LS</sub> / d <sub>FS</sub> )	mm: 450 / 0 / 0	450 / 0 / 0	--- / --- / ---	--- / --- / ---
Risk of burning fuel falling out	n/a <sup>4)</sup>			
Cleanability	Pass			
<b>Emissions of combustion products based on 13% O<sub>2</sub></b>				
Test results with test fuel	Beech logs			
	%:	CO [0,05%]		
CO	mg/m <sup>3</sup> :	625		
PM (Particles)	mg/m <sup>3</sup> :	8		
NO <sub>x</sub>	mg/m <sup>3</sup> :	85		
C <sub>OGC</sub>	mg/m <sup>3</sup> :	55		
<b>Emissions in flue gas based on energy</b>				
(Evaluation according to the requirements of "Art. 15a B-VG über Schutzmaßnahmen betreffend Kleinfeuerungen" in Austria)				
CO	mg/MJ:	408		
PM (Particles)	mg/MJ:	6		
NO <sub>x</sub>	mg/MJ:	56		
C <sub>OGC</sub>	mg/MJ:	32		
<b>Surface temperature</b>	<b>Pass</b>			
<b>Electrical safety</b>	<b>NPD</b>			
<b>Release of hazardous substances</b>	<b>NPD</b>			
<b>Mechanical resistance (to carry a flue)</b>	<b>Pass</b>			
<b>Thermal output/Energy efficiency</b>	<b>Pass</b>			
Nominal heat output	kW	6,2		
Total heat output (test result)	kW	6,8		
Space heat output (acc. to CPR for specification in the DoP)	kW	6,2		
Efficiency	η [%]	82		
Flue gas temperature (measurement section)	T [°C]	298		
<b>"Wertetripel" for calculating the flue according to DIN EN 13384-1 and 13384-2 (accor. to nominal heat output)</b>				
Flue gas mass flow	ṁ [g/s]	4,7		
Flue gas spigot temperature	t [°C]	358		
Minimum flue draught	p [Pa]	12		
Operating mode	intermittent burning			
The roomheater is not suitable for installation in a shared flue system.				
<sup>1)</sup> test with insulated flue gas connector (4 cm mineral wool) <sup>2)</sup> Testing on non-combustible walls (brickwall) / fire safety test with cover plate and radiation protection shield on the rear side of the fireplace <sup>3)</sup> Test on non-combustible walls (brickwall) in a 45° corner / fire safety test with cover plate and radiation protection shield on the rear side of the fireplace and with insulated exhaust gas pipe <sup>4)</sup> Due to the changed front fire bars, this test result cannot be transferred to the roomheaters Nordic 3 and Nordic 9.. Decision rule 1: A positive conformity statement is made for values within the specification (requirement) but also within the uncertainty range (measurement uncertainty for the respective value). The conformity statement was made without taking into account the measurement uncertainty.				