

Rhein-Ruhr Feuerstätten Prüfstelle • Im Lipperfeld 34 b • 46047 Oberhausen

- ❖ 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 17025:2005, DAkkS No. D-PL-17727-01-00
- The accreditation is only valid within the boundary of the certificates annex.



Certificate No. RRF - ITT 13 3281-1

Brief summary of the test results for the declaration of performance (DoP) according to regulation (EU) 305/2011 (CPR)

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
LRV of Switzerland

Manufacturer: **HWAM A/S**
Nydamsvej 53, DK-8362 Hørning

Product: Roomheater fired by solid fuel
Type, batch, serial number: **WIKING Miro 3**
WIKING Miro 1, WIKING Miro 5

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

Nominal heat output: **4,9 kW (-Solid fuel wood logs)**

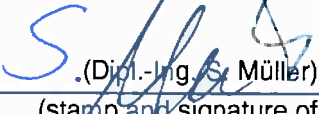
Test result: The construction product fulfilled all requirements with the mentioned test fuels (p.2) of the above-named european standards and regulations.
Test results see page 2.

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

This document replaces the certificate No. RRF - 40 13 3281 dated on 13 May 2013.



Oberhausen, 26 June 2018
(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:	
Fire safety		Pass	
Reaction to fire		A1	
<u>Minimum distances to combustibles:</u>			
Position of the fireplace in the trihedron		90°	45°
floor	mm	---	---
rear / sides / ceiling	mm	100 / 520 / ---	--- / 380 / ---
in range of the inspection window	mm	900	900
Risk of burning fuel falling out		Pass	
Cleanability		Pass	
Emissions of combustion products based on 13% O₂			
Test results with test fuel		Beech logs	
	%	CO [0,09%]	
CO	mg/m ³	1125	
PM (Particles)	mg/m ³	18,2	
NO _x	mg/m ³	114	
OGC	mg/m ³	66	
Surface temperature		Pass	
Electrical safety		NPD	
Release of hazardous substances		NPD	
Mechanical resistance (to carry a flue)		Pass	
Thermal output/Energy efficiency		Pass	
Nominal heat output	kW	4,9	
Space heat output	kW	4,9	
Efficiency	η [%]	78	
Flue gas temperature (measurment section)	T [°C]	295	
<u>"Wertetripel" for calculating the flue according to DIN EN 13384-1 and 13384-2</u>			
Flue gas mass flow accor. to nominal heat output	ṁ [g/s]	4,5	
Flue gas temperature measured on flue spigot	t [°C]	326	
Mean flue draught according to nominal heat output	p [Pa]	12	
Operating mode		intermittent burning	
The roomheater is suitable for installation in a shared flue system.			

