

# Declaration of Performance according to Regulation (EU) 305/2011

No.: LE971812-1



1. product Ekko U 100(45) h
2. intended use space heating in residential buildings without supply of hot water
3. trade mark Camina & Schmid Feuerdesign und Technik GmbH & Co. KG  
Gewerbepark 18 | 49143 D-Bissendorf  
info@camina-schmid.de | www.camina-schmid.de
4. authorized representative -
5. system of assessment and verification  
of constancy of performance of the  
construction product system 3
6. The notified laboratory ÉMI-TÜV SÜD Kft. KERMI Osztály  
H-1043 Budapest – notified body number: 1417  
performed of the product type on the basis of type testing  
under system 3.  
report R-971812-1
7. declaration of performance

Harmonized technical specification	EN 13229:2001/A2:2004/AC:2007
essential characteristics	performance
fire safety	pass
reaction to fire	A1
minimum safety distance to combustible material	radiation area 800 mm
minimum insulation thickness (based on SILCA® 250KM) to adjacent combustible material / distance between insert and insulation	floor - / 0 mm rear 60 mm / 100 mm sides 60 mm / 100 mm
risk of burning fuel falling out	pass
cleanability	pass
emission of combustion products (log of wood) (15 kW / 20 kW)	CO 942 mg/Nm <sup>3</sup> / 875 mg/Nm <sup>3</sup> 0,07536 % / 0,07 %
surface temperature	pass
electrical safety	not applicable
release of dangerous substance	NPD
max. operation pressure	not applicable
flue gas temperature at nominal heat output (log of wood) (15 kW / 20 kW)	221 °C / 232 °C
mechanical resistance (to carry a chimney/flue)	NPD
thermal output / efficiency	pass
nominal heat output	15 kW / 20 kW
room heating output	15 kW / 20 kW
water heating output	not applicable
efficiency (log of wood) (15 kW / 20 kW)	80 % / 81 %

8. The performance of the product is in conformity with the declared performance in point 7.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed on behalf of the manufacturer

Colin Rokossa | Managing Director  
Bissendorf, 11.01.2023

product

Ekko U 100(45) h

test report	R-971812-1		
fuel	log of wood		
<b>triple value for nominal heat output (closed operation)</b>			
nominal heat output	15 kW		
flue gas mass flow	17,2 g/s		
flue gas temperature	221 °C		
required draught	12-15 Pa		
<b>triple value for nominal heat output (closed operation)</b>			
nominal heat output	20 kW		
flue gas mass flow	18,3 g/s		
flue gas temperature	232 °C		
required draught	12-15 Pa		
<b>emission values (related to 13% O2) and efficiency at nominal heat output (closed operation)</b>			
nominal heat output	15 kW		
CO	942 mg/Nm³	605 mg/MJ	0,07536 %
PM	31 mg/Nm³	20 mg/MJ	
NOx	71 mg/Nm³	46 mg/MJ	
OGC	58 mg/Nm³	37 mg/MJ	
efficiency	80 %		
<b>emission values (related to 13% O2) and efficiency at nominal heat output (closed operation)</b>			
nominal heat output	20 kW		
CO	875 mg/Nm³	562 mg/MJ	0,07 %
PM	37 mg/Nm³	24 mg/MJ	
NOx	86 mg/Nm³	56 mg/MJ	
OGC	46 mg/Nm³	30 mg/MJ	
efficiency	81 %		
<b>Please read the installation and operating instructions!</b>			