BRUNNER

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

Product		HKD 2.2 XL SK/h Tunnel
Intended use		Space heating in buildings
Manufacturer		Ulrich Brunner GmbH
Adress of the manufacturer		Zellhuber Ring 17-18 84307 Eggenfelden
System for assessment and verification of constancy of performance of the construction product.		System 3
The notified testing laboratory has carried out initial testing according to system 3		
Notified laboratory		1015
Test report		1015-AoP-30-17898/TZ
Harmonized technical specification		EN 16510-2-2:2022
Essential characteristic		
Safety in case of fire		
Protection of combustible materials	Minimum distances to combustible materials	
	bottom	d_B = 60 mm
	floor in front	d_F = 600 mm
	ceiling	d_C = 500 mm
	rear	d_R = 60 mm
	side	d_S = 60 mm
	side radiation area	d_L = 500 mm
	adjacent combustible materials (e.g. furniture)	d_P = 1000 mm
	material type and thickness of protective insualtion material	= Rockwool 100 mm (r+s); Rockwool 100 mm (c)
Hygiene, health and the environment		
At nominal heat output at 13% O_2	Carbon monoxide emission (CO)	= 1250 mg/m3
	Nitrogen oxides emissions (NO_X)	= 200 mg/m3
	Emission of organic gaseous carbon (OGC)	= 120 mg/m3
	Particulate matter emissions (PM)	= 40 mg/m3
At part load heat output at 13% O_2	Carbon monoxide emission (CO)	NPD
	Nitrogen oxides emissions (NO_X)	NPD
	Emission of organic gaseous carbon (OGC)	NPD
	Particulate matter emissions (PM)	NPD
Safety and accessibility in use		

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Data for installation to a chimney at nominal heat output	Flue gas outlet temperature	130 °C
	Minimum flue draught	14 Pa
	Flue gas mass flow	13,1 g/s
Data for installation to a chimney at part load heat output	Flue gas outlet temperature	NPD
	Minimum flue draught	NPD
	Flue gas mass flow	NPD
Data for installation to a chimney regarding fire safety	Fire safety of installation to the chimney	T400 G
Energy economy and heat retention		
Appliance's thermal output and energy efficiency at nominal heat ouput	Space heat output	13,2 kW
	Water heat output	10,6 kW
	Efficiency	88,6 %
Appliance's thermal output and energy efficiency at part load heat ouput	Space heat output	NPD
	Water heat output	NPD
	Efficiency	NPD
Space heating efficiency	Seasonal space heating efficiency	78,6 %
	Energy efficiency index (EEI)	119
	Energy efficiency classification	A+
	Electric power consumption at nominal heat output	NPD
	Electric power consumption at part load heat output	NPD
	Standby mode power consumption	NPD
Sustainable use of natural ressources		
	Environmental sustainability	NPD

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The performance of the product corresponds to the declared performance.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer:



Eggenfelden, 10.07.2026

Hubertus Brunner, CEO

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