Certificate of constancy of performance

0761-CPR-0029

Z-3/710/03 (no. of agreement)



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Product Regulation or CPR), this certificate applies to the

construction product

Powered smoke and heat exhaust ventilators Novax Axial Smoke Exhaust Ventilator, Type ACN Diameter: 400 mm ... 1,600 mm Class according to EN 13501-4:2007+A1:2009: F₃₀₀ 60

produced by or for

NOVENCO Building & Industry A/S Industrivej 22 4700 Næstved Denmark

in the manufacturing plant

Næstved (Denmark).

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 12101-3:2015

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate has an annex with two pages. It was first issued on 2006-04-03. The validity begins on 2023-02-07 and will remain valid until 2028-02-06, as neither the harmonised standard, the construction product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.

Braunschweig, 2023-02-07

Dr.-Ing. Sven Lehmberg (Head of certification body)



Annex of Certificate of constancy of performance 0761-CPR-0029 Annex 1 of 2



Institut für Baustoffe, Massivbau und Brandschutz

Materialprüfanstalt für das Bauwesen

Additional information on Novax Axial Smoke Exhaust Ventilator, Type ACN

	<u> </u>	st appliances for smoke and heat	(fans), smoke removal ventilato	or 	
Clas	Classification				
X	Class	Temperature (°C)	Time (min)		
\boxtimes	F ₂₀₀	200	120	3325	
\boxtimes	F ₃₀₀	300	60	3325	
	F ₄₀₀			$L \times X$	
Б	F ₆₀₀			()	
	F ₈₄₂			1	
Free classification for purely informative purposes					
\boxtimes	F _{f250}	250	120	3325	
\boxtimes	F _{f300}	300	120	3325	
	F _{f600}				
Pos	osition of the ventilator and thermal insulation, if applicable				
\boxtimes	Outside of the buildin	Outside of the building without thermal insulation			
	Outside of the building with thermal insulation			/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
\boxtimes	Inside the building, outside of the smoke compartment, without thermal insulation			3325	
	Inside the building, outside of the smoke compartment, with thermal insulation				
\boxtimes	In the smoke compartment				
Installation					
\boxtimes	Fan upright, motor shaft horizontal			3325	
À	Fan parallel to the wall, motor shaft horizontal				
	Fan perpendicular to the wall, motor shaft horizontal				
\boxtimes	Fan hanging, motor shaft horizontal			3325	
	Fan upright, motor shaft vertical				
	Fan parallel to the wall, motor shaft vertical				
BK	Fan perpendicular to the wall, motor shaft vertical				
	Fan hanging, motor shaft vertical			3325	
\boxtimes	Motor shaft vertical, impeller under motor			3325	
Ų.	Motor shaft vertical, impeller above motor				
\boxtimes	Motor upstream			3325	
	Motor downstream				

Annex of Certificate of constancy of performance 0761-CPR-0029 Annex 2 of 2



Institut für Baustoffe, für das Bauwesen Massivbau und Brandschutz

Materialprüfanstalt

Flexible connectors		
	Flexible inlet duct on the inlet side	
	Flexible inlet duct on the outlet side	
	Flexible inlet duct on the inlet and outlet side	
	Flexible inlet duct for the cooling air connection	
Cooling air		
	The minimum cooling air volume flow rate $C_{Air,\theta}$ depends on the fan's nominal size and nominal power (see operating manual). Maximum cooling air temperature $\theta = 40 ^{\circ}\text{C}$	
Starting		Basis
	AA oder MA (automatic or manual)	
Snow load, wind load		Basis
	Opening under wind load in a defined period of time	
	Opening under snow load in a defined period of time	
Accessories		Basis
\boxtimes	Cylindrical silencers on inlet and outlet	3325
\boxtimes	Flexible connectors	3325
\boxtimes	Inlet cones	3325
\boxtimes	Extension ducts	3325
\boxtimes	Grilles mounted on the fan inlet cones	3325
\boxtimes	Horizontal mounting brackets	3325
\boxtimes	Vertical mounting brackets	3325
Application classes		Basis
\boxtimes	Dual purpose, Ventilation and Smoke extraction	3325
	Variable Speed Drive	

Technical product data:

Range of diameters	400 mm 1,600 mm
Motor maker	Loher

Basis:

Test report no. 3325 of 2005-11-02

End of the certificate of constancy of performance