

Certificate of constancy of performance

0761-CPR-0212

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

iBMB MPA
TU BRAUNSCHWEIG

Institut für Baustoffe,
Massivbau und Brandschutz | Materialprüfanstalt
für das Bauwesen

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, Types ACP and ACG
Size from 500 mm to 1,600 mm
class according to EN 13501-4:2007+A1:2009: F₄₀₀ 120

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 2012-05-25. The validity begins on 2022-07-21 and will remain valid until 2027-07-20, 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product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.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, 2022-07-21

Dr.-Ing. S. Lehmbert
(Head of certification body)



Annex of Certificate of constancy of performance

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Annex 1 of 2



Institut für Baustoffe, Materialprüfanstalt
Massivbau und Brandschutz für das Bauwesen

Additional information on Novax Axial Smoke Exhaust Ventilator, Types ACP and ACG

Mechanically driven exhaust appliances for smoke and heat (fans), smoke removal ventilator			
Classification			Basis
	Class	Temperature (°C)	Time (min)
<input type="checkbox"/>	F ₂₀₀		
<input type="checkbox"/>	F ₃₀₀		
<input checked="" type="checkbox"/>	F ₄₀₀	400	120
<input type="checkbox"/>	F ₆₀₀		
<input type="checkbox"/>	F ₈₄₂		
Free classification for purely informative purposes			Basis
<input type="checkbox"/>	F ₂₅₀		
<input type="checkbox"/>	F ₃₀₀		
<input type="checkbox"/>	F ₆₀₀		
Position of the removal ventilator and thermal insulation, if applicable			Basis
<input checked="" type="checkbox"/>	Outside of the building without thermal insulation		
<input checked="" type="checkbox"/>	Outside of the building with thermal insulation		
<input checked="" type="checkbox"/>	Inside the building, outside of the smoke compartment, without thermal insulation		
<input type="checkbox"/>	Inside the building, outside of the smoke compartment, with thermal insulation		
<input checked="" type="checkbox"/>	In the smoke compartment		
Installation			Basis
<input checked="" type="checkbox"/>	Fan upright, motor shaft horizontal		
<input checked="" type="checkbox"/>	Fan parallel to the wall, motor shaft horizontal		
<input type="checkbox"/>	Fan perpendicular to the wall, motor shaft horizontal		
<input checked="" type="checkbox"/>	Fan hanging, motor shaft horizontal		
<input type="checkbox"/>	Fan upright, motor shaft vertical		
<input checked="" type="checkbox"/>	Fan parallel to the wall, motor shaft vertical		
<input type="checkbox"/>	Fan perpendicular to the wall, motor shaft vertical		
<input checked="" type="checkbox"/>	Fan hanging, motor shaft vertical		
<input type="checkbox"/>	Motor shaft vertical, impeller under motor		
<input type="checkbox"/>	Motor shaft vertical, impeller above motor		
<input type="checkbox"/>	Motor upstream		
<input type="checkbox"/>	Motor downstream		

Flexible connectors	Basis
<input type="checkbox"/> Flexible inlet duct on the inlet side	
<input type="checkbox"/> Flexible inlet duct on the outlet side	
<input type="checkbox"/> Flexible inlet duct on the inlet and outlet side	
<input type="checkbox"/> Flexible inlet duct for the cooling air connection	
Cooling air	Basis
<input type="checkbox"/> 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
<input type="checkbox"/> AA oder MA (automatic or manual)	
Snow load, wind load	Basis
<input type="checkbox"/> Opening under wind load in a defined period of time	
<input type="checkbox"/> Opening under snow load in a defined period of time	
Accessories	Basis
<input type="checkbox"/> Bellmouth	
<input type="checkbox"/> Mounting brackets	
<input type="checkbox"/> Variable Frequency Drive	
<input checked="" type="checkbox"/> Terminal box	3377/643/11
Application classes	Basis
<input checked="" type="checkbox"/> Dual purpose, Ventilation and Smoke extraction	01/3262
<input type="checkbox"/> Variable Speed Drive	

Basis:

Test report no. 3377/643/11 - C5.1/C5.2-MPA BS of 2012-01-16, 01/3262-C5.1/C5.2 of 2002-11-30

----- End of the certificate of constancy of performance -----