Certificate of constancy of performance

0761-CPR-0079

Z-3/710/03 (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
Axial smoke exhaust ventilator, type ACN
Diameter: 400 mm ... 1,600 mm
class according to EN 13501-4:2016: F_{300} 60

produced by or for

NOVENCO Building & Industry A/S
Oeverup Erhvervsvej 50-52
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. This certificate was issued 2025-12-08 and will remain valid until 2030-12-07, 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product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.
The certificate was first issued on 2008-10-30.

Braunschweig

Materialprüfanstalt f. d. Bauwesen MPA BS Braunschweig

signiert/signed
Aeissen, Petra
08.12.2025
10:40:21 +01

Dipl.-Ing. Petra Aeissen
(Deputy Head of certification body)

DAkkS Deutsche Akkreditierungsstelle D-ZE-11267-01-00

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Additional information on Axial smoke exhaust ventilator, type ACN

Mechanically driven exhaust appliances for smoke and heat (fans), smoke removal ventilator				
Classification				Basis
	Class	Temperature (°C)	Time (min)	
☒	F_{200}	200	120	see below
☒	F_{300}	300	60	see below
☐	F_{400}			
☐	F_{600}			
☐	F_{842}			
Free classification for purely informative purposes				Basis
☒	F_{f250}	250	120	see below
☒	F_{f300}	300	120	see below
☐	F_{f600}			
Position of the ventilator and thermal insulation, if applicable				Basis
☒	Outside of the building without thermal insulation			see below
☐	Outside of the building with thermal insulation			
☒	Inside the building, outside of the smoke compartment, without thermal insulation			see below
☐	Inside the building, outside of the smoke compartment, with thermal insulation			
☒	In the smoke compartment			see below
Installation				Basis
☒	Fan upright, motor shaft horizontal			see below
☒	Fan parallel to the wall, motor shaft horizontal			see below
☒	Fan perpendicular to the wall, motor shaft horizontal			see below
☒	Fan hanging, motor shaft horizontal			see below
☒	Fan upright, motor shaft vertical			see below
☒	Fan parallel to the wall, motor shaft vertical			see below
☒	Fan perpendicular to the wall, motor shaft vertical			see below
☒	Fan hanging, motor shaft vertical			see below
☐	Motor shaft vertical, impeller under motor			
☐	Motor shaft vertical, impeller above motor			
☐	Motor upstream			
☐	Motor downstream			

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Flexible connectors		Basis
☐	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		**Basis**
☐	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 θ = 40 °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**
☒	Vertical mounting plate	see below
☒	Grille	see below
☒	Horizontal mounting feet	see below
☒	Inlet cone	see below
☒	Extension ducts	see below
☒	Silencer	see below
☒	Diffuser	see below
☒	Flexible connections	see below
Application classes		**Basis**
☒	Dual purpose, Ventilation and Smoke extraction	see below
☐	Variable Speed Drive	

Technical product data:

Range of diameters	400 mm ... 1,600 mm
Motor maker	Leroy Somer

Additional information:

Standards referred to:

EN 12101-3	EN 13501-4	EN 1363-1	EN 1363-2	ENV 1363-3

Basis:
Test report no. 2400/456/17, 2400/618/18, 2401/121/19, 3092/966/09, 3296/1026-3, 3325

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

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