Certificate of constancy of performance



0761-CPR-0635

Institut für Baustoffe, Massivbau und Brandschutz

DAkkS

Akkreditierungsstel D-ZE-11267-01-00

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 ZerAx Axial Smoke Exhaust Ventilator, Type AZT 450 Diameter: 450 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.

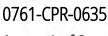
This certificate has an annex with two pages. It was first issued on 2017-12-18. The validity begins on 2023-02-07 and will remain valid until 2028-02-06, as neither the harmonised standard, the construction product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.

Braunschweig, 2023-02-07

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

Materialprüfanstalt für das Bauwesen (MPA BS) | Beethovenstr. 52 | D-38106 Braunschweig

Annex of Certificate of constancy of performance



Annex 1 of 2

Institut für Baustoffe, für das Bauwesen Massivbau und Brandschutz

Materialprüfanstalt

Mechanically driven exhaust appliances for smoke and heat (fans), smoke removal ventilator Classification Basis Class Temperature (°C) Time (min) \boxtimes 200 120 2401/265/16 F_{200} \times 300 60 2401/265/16 F_{300} F₄₀₀ F_{600} F_{842} Free classification for purely informative purposes Basis \boxtimes F_{f250} 250 120 2401/265/16 \boxtimes 120 2401/265/16 F_{f300} 300 F_{f600} Position of the ventilator and thermal insulation, if applicable Basis Outside of the building without thermal insulation 1 Outside of the building with thermal insulation Inside the building, outside of the smoke compartment, without thermal insulation \times 2401/265/16 Inside the building, outside of the smoke compartment, with thermal insulation \boxtimes In the smoke compartment 2401/265/16 Installation Basis Fan upright, motor shaft horizontal Fan parallel to the wall, motor shaft horizontal Fan perpendicular to the wall, motor shaft horizontal \times Fan hanging, motor shaft horizontal 2401/265/16 Fan upright, motor shaft vertical Fan parallel to the wall, motor shaft vertical Fan perpendicular to the wall, motor shaft vertical Fan hanging, motor shaft vertical Motor shaft vertical, impeller under motor Motor shaft vertical, impeller above motor Motor upstream \square Motor downstream

Additional information on ZerAx Axial Smoke Exhaust Ventilator, Type AZT 450



Annex of Certificate of constancy of performance

0761-CPR-0635 Annex 2 of 2 Materialprüfanstalt

Institut für Baustoffe, für das Massivbau und Brandschutz

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 $\theta = 40 \degree C$	
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	Grilles mounted on the fan inlet cones	2401/265/16
\boxtimes	Horizontal mounting brackets	2401/265/16
Application classes		Basis
\boxtimes	Dual purpose, Ventilation and Smoke extraction	2401/265/16
	Variable Speed Drive	

Technical product data:

Range of diameters450 mmMotor makerWEG

Basis:

Test report no. 2401/265/16 of 2017-06-15

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