Certificate of constancy of performance



Materialprüfanstalt

0761-CPR-0127

Institut für Baustoffe, für das Bauwesen Massivbau und Brandschutz

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 ARN (R05) Diameter: 900 mm ... 1,600 mm class according to EN 13501-4:2007+A1:2009: F₂₀₀ 120

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 2025-03-14 and will remain valid until 2030-03-13, 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product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.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 2010-02-01.

Braunschweig

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

0761-CPR-0127 Annex 1 of 2

Institut für Baustoffe, Massivbau und Brandschutz

Additional information on Novax Axial Smoke Exhaust Ventilator, Type ARN (R05)

Mec			fans), smoke removal ventilator			
Class	Classification					
X	Class	Temperature (°C)	Time (min)			
\boxtimes	F ₂₀₀	200	120	3782/045/07		
	F ₃₀₀			MAIN		
	F ₄₀₀					
	F ₆₀₀					
	F ₈₄₂					
Free	classification for purely inforr	native purposes		Basis		
	F _{f250}					
	F _{f300}					
	F _{f600}					
Posit	ion of the ventilator and therr	nal insulation, if applicable		Basis		
\boxtimes	Outside of the building with	3782/045/07				
	Outside of the building with					
\boxtimes	Inside the building, outside	3782/045/07				
	Inside the building, outside					
\boxtimes	In the smoke compartment	3782/045/07				
Insta	Installation					
\boxtimes	Fan upright, motor shaft ho	3782/045/07				
\boxtimes	Fan parallel to the wall, motor shaft horizontal			3782/045/07		
\boxtimes	Fan perpendicular to the wa	3782/045/07				
\boxtimes	Fan hanging, motor shaft horizontal			3782/045/07		
\boxtimes	Fan upright, motor shaft vertical			3782/045/07		
\boxtimes	Fan parallel to the wall, mot	3782/045/07				
\square	Fan perpendicular to the wa	3782/045/07				
\boxtimes	Fan hanging, motor shaft v	3782/045/07				
\boxtimes	Motor shaft vertical, impelle	3782/045/07				
\boxtimes	Motor shaft vertical, impelle	3782/045/07				
\boxtimes	Motor upstream			3782/045/07		
\boxtimes	Motor downstream			3782/045/07		

Annex of Certificate of constancy of performance



Annex 2 of 2

Institut für Baustoffe, Massivbau und Brandschutz

Flexil	Basis				
	Flexible inlet duct on the inlet side				
Cooli	ng 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 $\theta = 40 \text{ °C}$				
Starti	ing	Basis			
	AA oder MA (automatic or manual)				
Snow	Snow load, wind load				
	Opening under wind load in a defined period of time				
	Opening under snow load in a defined period of time				
Accessories		Basis			
\boxtimes	Terminal box	3782/045/07			
\boxtimes	Bellmouth	3782/045/07			
\boxtimes	Safety grid	3782/045/07			
\boxtimes	Horizontal mounting brackets	3782/045/07			
\boxtimes	Silencer	3782/045/07			
\boxtimes	Flexible connectors / compensator	2400/456/17			
\boxtimes	Connecting piece	2400/456/17			
\boxtimes	Outlet nozzle	2400/456/17			
Application classes		Basis			
\boxtimes	Dual purpose, Ventilation and Smoke extraction	3782/045/07			
	Variable Speed Drive				

Technical product data:

	Range of diameters	900 mm 1,600 mm
5	Motor maker	WEG oder Leroy Somer

Standards referred to:

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

Basis:

Test report no. 3782/045/07, 2400/456/17

--- End of the certificate of constancy of performance

