Certificate of constancy of performance

0761-CPR-0626

Z-3/709/03 (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 ventilator IGW axial ventilator, impeller design HS Range of diameters: 2,240 mm ... 3,550 mm Class according to EN 13501-4:2007+A1:2009: F₃₀₀ 60

produced by or for

Witt & Sohn AG Ziegeleiweg 38 25421 Pinneberg Germany

in the manufacturing plant

Pinneberg (Germany).

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 14-11-2017. The validity begins on 24-11-2022 and will remain valid until 23-11-2027, 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product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.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, 24-11-2022

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



Annex of Certificate of constancy of performance 0761-CPR-0626

Annex 1 of 2



Institut für Baustoffe, Massivbau und Brandschutz

Additional information on IGW axial ventilator, impeller design HS

Mechanically driven exhaust appliances for smoke and heat (fans), smoke removal ventilator								
Classification								
X	Class	Temperature (°C)	Time (min)					
\boxtimes	F ₂₀₀	200	120					
\boxtimes	F ₃₀₀	300	60					
	F ₄₀₀							
	F ₆₀₀		V.					
/ B.	F ₈₄₂							
Free	classification for purely inforn							
	F _{f250}	250	120					
	F _{f300}	300	120					
	F _{f600}							
Posi	tion of the ventilator and therr							
	Outside of the building without thermal insulation							
\Box	Outside of the building with thermal insulation							
\boxtimes	Inside the building, outside of the smoke compartment, without thermal insulation							
	Inside the building, outside of	of the smoke compartment, wi	th thermal insulation					
	In the smoke compartment							
Einb	au							
	Fan upright, motor shaft horizontal							
\boxtimes	Fan parallel to the wall, motor shaft horizontal							
\boxtimes	Fan perpendicular to the wall, motor shaft horizontal							
\boxtimes	Fan hanging, motor shaft horizontal							
\boxtimes	Fan upright, motor shaft vertical							
\boxtimes	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							
\boxtimes	Motor upstream							
\boxtimes	Motor downstream							
Flex	ible 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							

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Annex 2 of 2



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Cooling air				
	The minimum cooling air volume flow rate CAir,0 depends on the fan's nominal size			
/ //	and nominal power (see operating manual). Maximum cooling air temperature			
W	θ = 40 °C			
Starting				
	AA oder MA (automatic or manual)			
Snow load, wind load				
	Opening under wind load in less than 30 s			
J	Opening under snow load in a defined period of time			
Accessories				
\boxtimes	Bellmouth			
\boxtimes	Mounting brackets			
\boxtimes	Variable Frequency Drive			
\boxtimes	Terminal box			
Арр	lication classes			
\boxtimes	Dual purpose, Ventilation and Smoke extraction			
\boxtimes	Variable Speed Drive			

Technical product data:

Hub ratio	100	P, N, M, X, Y	
Range of diamete	rs	2,240 mm 3,550 mm	
Direction of flow		unidirectional, reversible	
Motor maker	1	WEG	
Motor frame size	min	315	
	max	500	

Additional information:

Standards referred to:

\	EN 12101-3	EN 13501-4	EN 1363-1	EN 1363-2	ENV 1363-3
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Basis:

Test report no. 2400/505/17 of 20-06-2017

------ Ende des Zertifikats der Leistungsbeständigkeit ------