Certificate of constancy of performance



0761-CPR-0630

Institut für Baustoffe, Massivbau und Brandschutz

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: F₂₀₀ 120

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product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.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



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Institut für Baustoffe, Massivbau und Brandschutz

Additional information on IGW axial ventilator, impeller design HS

Med	hanically driven exhaust appli	ances for smoke and heat	· 1 _ 5							
	ventilator									
Clas	ssification									
X	Class	Temperature (°C)	Time (min)							
\boxtimes	F ₂₀₀	200	120							
	F ₃₀₀									
	F ₄₀₀									
	F ₆₀₀									
	F ₈₄₂									
Free	Free classification for purely informative purposes									
	F _{f250}									
	F _{f300}									
	F _{f600}									
Posi	ition of the ventilator and ther	mal insulation, if applicable	9							
\boxtimes	Outside of the building without thermal insulation									
	Outside of the building with thermal insulation									
\boxtimes	,		t, without thermal insulation							
	Inside the building, outside	of the smoke compartmen	t, with thermal insulation							
\boxtimes	In the smoke compartment									
Einb										
\boxtimes	Fan upright, motor shaft hor									
\boxtimes	Fan parallel to the wall, motor shaft horizontal									
\boxtimes	Fan perpendicular to the wall, motor shaft horizontal									
\square	Fan hanging, motor shaft horizontal									
\boxtimes	Fan upright, motor shaft vertical									
\boxtimes	Fan parallel to the wall, motor shaft vertical									
\boxtimes	Fan perpendicular to the wall, motor shaft vertical									
\boxtimes	Fan hanging, motor shaft ver									
\boxtimes	Motor shaft vertical, impeller									
\boxtimes	Motor shaft vertical, impeller above motor									
\boxtimes	Motor upstream									
\boxtimes	Motor downstream									
Flex	ible connectors									
	Flexible inlet duct on the inle									
	Flexible inlet duct on the out									
	Flexible inlet duct on the inlet and outlet side									
	Flexible inlet duct for the coo	bling air connection								

Annex of Certificate of constancy of performance

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Annex 2 of 2

Materialprüfanstalt

Institut für Baustoffe, fü Massivbau und Brandschutz

für das Bauwesen

Соо	ling air							
	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 $\theta = 40 ^{\circ}\text{C}$							
Star	Starting							
	AA oder MA (automatic or manual)							
Sno	Snow load, wind load							
	Opening under wind load in less than 30 s							
	Opening under snow load in a defined period of time							
Acce	essories							
\boxtimes	Bellmouth							
\mathbb{X}	Mounting brackets							
\boxtimes	Variable Frequency Drive							
\boxtimes	Terminal box							
Арр	lication classes							
\boxtimes	Dual purpose, Ventilation and Smoke extraction							
\mathbb{X}	Variable Speed Drive							

Technical product data:

	Hub ratio		P, N, M, X, Y	
X	Range of diameters Direction of flow		2,240 mm 3,550 mm	
			unidirectional, reversible	
	Motor maker		WEG	
	Motor frame size	min	315	
2		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 ------