Declaration of Performance DoP/BVGAXO-F300/004



1	Product Unique identification code of the product type	BVGAXO-F300 Machine-based smoke exhaust and heat extraction unit (smoke exhaust fan)		
2	Intended use	Part of a machine-based smoke and heat extraction unit in buildings		
3	Manufacturer	TROX X-FANS GmbH Heinz Trox Straße 1 D-36251 Bad Hersfeld Germany	Phone Fax E-Mail Internet	+49 (0)6621 9500 +49 (0)6621 950100 info-xfans@trox.de www.trox-xfans.de
5	System of assessment and verification of constancy of performance	System 1		
6	Harmonised standard	EN 12101-3:2015 The notified product certification body no. 0761 - MPA Braunschweig - carried out a type test (including sampling) to determine the product type, an initial inspection of the manufacturing plant and of the factory production control as well as the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of the product:		
	Notified body/ies			

0761-CPR-0067

7 a) Declared performance as per EN 12101-3:2015

Key features - BVGAXO-F300	Performance
Response delay/response time	
 Opening under wind load within a specified time 	NPD
 Opening under snow load within a specified time 	NPD
Operational reliability	
Application categories	See Table 7 b)
Motor rating	H, 100 K
Effectiveness in removing smoke / hot gas	
Maintenance of the gas volume while checking the removal of smoke and hot gas.	+/- 10%
Maintenance of the static pressure while checking the removal of smoke and hot gas.	+/- 20%
Fire resistance	
Classification to EN 13501-4	F300 (60), F200 (120)
Ability to open under ambient conditions	
Opening under wind load within a specified time	NPD
Opening under snow load within a specified time	NPD
Operational reliability resistance	H, 100 K

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with regulation (EU) no. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of TROX X-FANS GmbH:

i.V. Far Dare

Frank Wahl • Head of Research and Development

Bad Hersfeld, 5/17/2021

Declaration of Performance DoP/BVGAXO-F300/004



7 b) Appendix: Additional information about the installation process and the application as per Table F.8, EN 12101-3:2015

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Deflector	Brackets	
	Anti-vibration element	
Diffuser	Deflector	
	Diffuser	
Inspection hatch	Inspection hatch	

Declaration of Performance DoP/BVGAXO-F300/004



BVGAXO-F300	
Circular silencer TSR, with/without core	
Splitter silencer TMKA	
Cover grille	x
Baffle plate	x
Shut-off damper, circular, automatic	
Shut-off damper, circular, automatic, insulated	
Shut-off damper, rectangular, automatic	
Shut-off damper, rectangular, automatic, insulated	
Volume flow rate measuring system (VME)	
Flow redresser	
Thermally insulated casing DAX with motor-powered shut-off dampers	
Frequency inverter	
Sinusoidal filter	
Terminal box, with circuit integrity maintenance (ceramic junction plate)	x
Terminal box, without circuit integrity maintenance (insulated mounting)	
Terminal box, calcium silicate (cooling air passed)	
Inspection switch, without circuit integrity maintenance (insulated mounting)	
Inspection switch, with circuit integrity maintenance, F300	x
Inspection switch, with circuit integrity maintenance, F400	x
TROX-FANS fan diagnosis system VD	x
TROX-FANS bypass case, F300	
Tunnel damper	
Ventilation grille TR-AG	
Weather louvre WG	
Weather louvre WGK	
Weather hood	
First attachment of CE marking	12
Notified body	0761 - MPA Braunschweig