Declaration of Performance DoP/BVD-F600/005



Product Unique identification code of the product type	BVD-F600 Machine-based smoke exhaust and heat extraction unit (smoke exhaust fan) Part of a machine-based smoke and heat extraction unit in buildings	
itended use		
Manufacturer	TROX X-FANS GmbHPhone+49 (0)6621 9500Fax+49 (0)6621 950100Heinz Trox Straße 1E-Mailtrox-xfans@troxgroup.comD-36251 Bad HersfeldInternetwww.trox-xfans.deGermanyGermanyGermanyGermany	
System of assessment and verification of constancy of performance	System 1	
Harmonised standard	EN 12101-3:2015	
Notified body/ies	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:	
	Unique identification code of the product type Intended use Manufacturer System of assessment and verification of constancy of performance Harmonised standard	

0761-CPR-0006

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

Key features - BVD-F600	Performance
Response delay/response time	
 Opening under wind load within a specified time 	NPD
 Opening under snow load within a specified time 	SL0, SL1000 (Deflektor)
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	F600 (60), F400 (120), 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	SL0, SL1000 (Deflektor)
Operational reliability resistance	Н, 100 К

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. Frank World

Frank Wahl • Head of Research and Development

Bad Hersfeld, 7/17/2023



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

	00 (120), Ff300 (120) OD / AC-Motoren
• Free classification for purely informative purposes Ff6 Motor manufacturer EN Location of the extraction device and thermal insulation, if available Outside of the building with thermal insulation x Quiside of the building, outside of the smoke compartment, without thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building, outside of the smoke compartment, with thermal insulation x Inside the building without thermal insulation x Fan parallel to the wall, motor shaft horizontal x Fan upright, motor shaft vertical x Fan parallel to the wall, motor shaft vertical x Fan parallel to the wall, motor shaft vertical x Fan parallel to the wall, moto	
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Original TROX X-FANS accessories	
5	
Adapter plate for flange connection, horizontal	
Adapter plate for flange connection, vertical	
Roof base, with/without bypass gate, manually/motor drive x	
Wall box, insulated with motor drive shutter	
Wall box, insulated with automatic shutter	
Roof base, soundproofed x	
Inlet x	
Spring travel limiter	
Flexible connecting piece, F300/F400	
Flexible connecting piece, F600 x	
Mounting bracket	
Mounting breet	
Brackets	
Anti-vibration element	
Deflector x Diffuser	
Inspection hatch	
Circular silencer TSR, with/without core x	
Splitter silencer TMKA x	
Cover grille x	
Baffle plate	
Shut-off damper, circular, automatic x	



BVD-F600	
Shut-off damper, circular, automatic, insulated	х
Shut-off damper, rectangular, automatic	
Shut-off damper, rectangular, automatic, insulated	
Volume flow rate measuring system (VME)	х
Flow redresser	х
Thermally insulated casing DAX with motor-powered shut-off dampers	
Frequency inverter	
Sinusoidal filter	
Terminal box, with circuit integrity maintenance (ceramic junction plate)	
Terminal box, without circuit integrity maintenance (insulated mounting)	x
Terminal box, calcium silicate (cooling air passed)	
Inspection switch, without circuit integrity maintenance (insulated mounting)	х
Inspection switch, with circuit integrity maintenance, F300	
Inspection switch, with circuit integrity maintenance, F400	
TROX-FANS fan diagnosis system VD	Х
TROX-FANS bypass case, F300	
Tunnel damper	
Ventilation grille TR-AG	х
Weather louvre WG	
Weather louvre WGK	
Weather hood	
First attachment of CE marking	12
Notified body	0761 - MPA Braunschweig