

This certificate of compliance validates the following

TEST REPORT NUMBER: 3782/045/07
DATE OF ISSUE: 2010-01-26
DATE OF EXPIRY: N/A

CERTIFICATE NUMBER: MPA BS-Z-065/17
DATE OF ISSUE: 2022-11-24
DATE OF EXPIRY: 2027-11-23

**NAME OF
FACTORY/
MANUFACTURER:** NOVENCO Building &
Industry A/S

**NAME OF
THE BRAND:** NOVENCO
MODEL/NO: NOVAX Type ARN
Dia. 400 mm – 1,600 mm
Class F400

CERTIFICATION MARK:

**FACTORY
ADDRESS/REGION:** INDUSTRIVEJ 22
DK-4700 NAESTVED
Denmark
Tel: +45 7077 88 99
Email: info@novenco-
building.com

**LOGO ON
THE
PRODUCT:**



**DESCRIPTION OF
THE PRODUCT:** Powered axial flow fans for use in industrial ventilation including the removal of smoke at high temperatures, i.e. for operation at 400 °C for a minimum of 120 minutes.

TEST STANDARD: EN 12101-3
**TEST
DESCRIPTION:** Three ventilators were tested in an oven heated up to 400 °C by means of gas burners. Temperature measurements were done with thermocouples. During the test, temperature, volume flow, pressure and electrical values (current, voltage, etc) were measured. The test standard requires to stop the operation after 15 min for two minutes and to restart it.

**SPECIFICATION OF
TEST SPECIMEN:** The axial flow fans tested had diameters between 380 mm and 1,400 mm, with power inputs between 1.5 kW and 75 kW. They were equipped with silencers.

TEST RESULT:	MAINTENANCE OF FUNCTION	INTERPRETATION	RESULT
	400 °C FOR 120 MIN	SUCCESSFUL	PASSED

**NAME OF TEST
FACILITY:** MPA Braunschweig

**TEST FACILITY
ADDRESS/REGION:** Beethovenstr. 52, D-38106 Braunschweig
Tel: +49(0) 531 391 5400, Fax: +49(0) 531 391 5900
Email: info@mpa.tu-bs.de, Website: www.mpa-tu-bs.de

**PRODUCT
APPLICATION
GUIDELINE (END
USE):** For use as a powered smoke and heat ventilators for temperatures up to 400 °C and for up to 120 min in a horizontal or a vertical position inside or outside the fire zone without thermal insulation.
The ventilator can be used for dual operation (normal ventilation and hot smoke removal).
The product must be applied in accordance with the provisions in the manufacturer's manual. Prior to installation the personnel must be instructed.

SIGNED BY:

Dr.-Ing. Sven Lehmberg
Head of certification

The above certificate is valid only when installed in accordance with the 'Product Application Guideline (End Use)'. To verify the validity of the product please log into our website, click on 'certification' and then on 'list of certificates'. You will find a list of manufacturers and a certificate with the number as given above.

ACCREDITED BY:	DAkks	DAkks
AS PER:	ISO/IEC 17065	ISO/IEC 17025
VALIDITY:	N/A	N/A
REFERENCE NUMBER:	D-ZE-11267-01-00	D-PL-11267-01-02

THE LIST OF ACCREDITED TESTS (FIRE AND LIFE SAFETY PRODUCTS ONLY)

TEST STANDARD	TITLE
EN 12101-1	Smoke and heat control systems – Part 1: Specification for smoke barriers
EN 12101-2	Smoke and heat control systems – Part 2: Specification for natural smoke and heat exhaust ventilators
EN 12101-3	Smoke and heat control systems – Part 3: Specification for powered smoke and heat exhaust ventilators
EN 12101-6	Smoke and heat control systems – Part 6: Specification for pressure differential systems, Kits
EN 12101-7	Smoke and heat control systems – Part 7: Smoke duct sections
EN 12101-8	Smoke and heat control systems – Part 8: Smoke control dampers
EN 1366-8	Fire resistance tests for service installations – Part 8: Smoke extraction ducts
EN 1366-9	Fire resistance tests for service installations – Part 9: Single compartment smoke extraction ducts
EN 1366-10	Fire resistance tests for service installations – Part 10: Smoke control dampers
EN 13501-4	Fire classification of construction products and building elements – Part 4: Classification using data from fire resistance tests on components of smoke control systems

