

EU Declaration of performance

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| <p>1. Unique identification code of the product types
NOVENCO® ZerAx® family of axial fans
AZL-AZN-AZT-AUZ</p> <p>3. Manufacturer
NOVENCO Building & Industry A/S,
Oeverup Erhvervsvej 50-52, DK-4700 Naestved</p> <p>5. Systems of assessment and verification of constancy of performance
System 1</p> | <p>2. Intended use
Ventilators for smoke and heat exhaust,
smoke exhaust jet fans</p> <p>4. Authorised representative
Technical director, Mr Peter Holt
NOVENCO Building & Industry A/S,
Oeverup Erhvervsvej 50-52, DK-4700 Naestved</p> <p>6. Harmonised standards
EN 12100:2011; EN 12101-3:2015; EN 12101-6:2005;
EN 13501-4:2016; EN 13857:2019;
EN 60204-1:2018+A1:2020; EN 61800-3:2005+A1:2012, class C2</p> <p>Notified body
ID no. 0761, iBMB MPA TU Braunschweig,
Beethovenstr. 52, D-38106 Braunschweig</p> |
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7. Declared performance

Main features	Performance	Harmonised technical specifications
Effectiveness of smoke / hot gas discharge	Temperature class, see below	EN 12101-3:2015; EN 13501-4:2016

Product	Temperature-time-classification			Setups						Arrangements							
	F400 120 min.	F300 60 min. + Free classification Ff300 120 min.	F200 120 min.	Outside building without thermal insulation	Outside building with thermal insulation	Inside building, outside smoke compartment, without thermal insulation	Inside building, outside smoke compartment, with thermal insulation	In smoke compartment	Fan upright, motor shaft horz.	Fan par. to wall, motor shaft horz.	Fan perp. to wall, motor shaft horz.	Fan hanging, motor shaft horz.	Fan upright, motor shaft ver.	Fan par. to wall, motor shaft ver.	Fan perp. to wall, motor shaft ver.	Fan hanging, motor shaft ver.	Dual purpose, ventilation and smoke extraction
AZL-AZN-AZT-AUZ 250 – 2000				x		x		x	x	x	x	x	x	x	x	x	x
WEG	NPD	0761-CPR-0927	0761-CPR-0928	x		x		x	x	x	x	x	x	x	x	x	x

Product	Temperature-time-classification			Setups						Arrangements							
	F400 120 min.	F300 60 min. + Free classification Ff300 120 min.	F200 120 min.	Outside building without thermal insulation	Outside building with thermal insulation	Inside building, outside smoke compartment, without thermal insulation	Inside building, outside smoke compartment, with thermal insulation	In smoke compartment	Fan upright, motor shaft horz.	Fan par. to wall, motor shaft horz.	Fan perp. to wall, motor shaft horz.	Fan hanging, motor shaft horz.	Fan upright, motor shaft ver.	Fan par. to wall, motor shaft ver.	Fan perp. to wall, motor shaft ver.	Fan hanging, motor shaft ver.	Dual purpose, ventilation and smoke extraction
AUZ 340				x		x		x				x					x
WEG	0761-CPR-0477	0761-CPR-0478	0761-CPR-0479	x		x		x				x					x

8. Appropriate technical documentation and/or specific technical documentation

EU directives and regulations

Machinery directive 2006/42
EMC directive 2014/30
Low voltage directive 2014/35
Construction Products 305/2011

UK regulations

Supply of Machinery (safety) 2008
EMC 2016
Electrical Equipment (Safety) 2016
Construction Products 2013/1387

9. Compliance with EN 12101-6:2022 (not harmonised as of the release of this DoP)

The following fan was tested as a smoke control fan at 300 °C for two hours with variable speed during operation in accordance with Annex C, par. C1.3 to C1.5 of the standard.

Fan type	øD [mm]	Nom. speed [RPM]	Nom. freq. [Hz]	Test freq. range [Hz]	Speed range [RPM]
AZN 500/350	500	2,950	50	7 – 61	415 – 3,660

In accordance with the standard and before the high temperature test, the fan was subjected to a general cycle test with more than 10,000 cycles.

Allowed range of fans, based on the criteria in EN 12101-3:2015 Annex A.

Fan type	øD [mm]	Min. fan speed [RPM]	Max. fan speed [RPM]
AZN 500/350	500	415	3,660
AZN 560/350	560	415	3,460
AZN 630/350	630	415	3,238

The certificate issued by the MPA, which forms the foundation for this declaration, is based on tests of the ZerAx family of fans controlled with frequency converters at high and low speeds. Hence, the ZerAx family of fans is approved for running with variable speeds.

We direct attention to the use of certified equipment only, which includes the use of VFDs. Use of non-certified equipment voids the warranty. Refer to the NOVENCO product documentation and sales support for recommendations.

The performance of the products identified above conforms with the set of declared performances. This declaration of performance is in accordance with Regulation (EU) No 305/2011 and the amendment no. 574/2014, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by

Peter Holt
Technical director
Naestved, Denmark, 20th February 2026

