

Declaration of performance – MU16212 1223

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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
 BS/DIN/DS/EN 12101-3:2015,
 BS/DIN/DS/EN 13501-4:2016</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	BS/DIN/DS/EN 12101-3:2015 BS/DIN/DS/EN 13501-4:2016

Product	Temperature-time-classification			Setup				Arrangement								
				Outside of the building without thermal insulation	Outside the building including thermal insulation	Inside the building but outside of the fire zone, without thermal insulation	Inside the building but outside of the fire zone including insulation	Inside the fire zone without thermal insulation	Horizontal axis, floor installation	Horizontal axis, wall mounted	Horizontal axis, ceiling suspension	Vertical axis, Δp upward	Vertical axis, Δp downward	Vertical axis, wall mounted	Vertical axis, ceiling suspension	Dual function device
AZL-AZN-AZT-AUZ 250 – 2000	F400 120 min.	F300 60 min. + Free classification Ff300 120 min.	F200 120 min.													
WEG	NPD	0761-CPR-0927	0761-CPR-0928	x		x		x	x	x	x	x	x	x	x	x

Product	Temperature-time-classification			Setup				Arrangement								
				Outside of the building without thermal insulation	Outside the building including thermal insulation	Inside the building but outside of the fire zone, without thermal insulation	Inside the building but outside of the fire zone including insulation	Inside the fire zone without thermal insulation	Horizontal axis, floor installation	Horizontal axis, wall mounted	Horizontal axis, ceiling suspension	Vertical axis, Δp upward	Vertical axis, Δp downward	Vertical axis, wall mounted	Vertical axis, ceiling suspension	Dual function device
AUZ 340	F400 120 min.	F300 60 min. + Free classification Ff300 120 min.	F200 120 min.													
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

Machinery directive 2006/42/EU

EMC directive 2014/30/EU

Low voltage directive 2014/35/EU

BS/DS/EN ISO 12100:2010,

BS/DS/EN ISO 13857:2019,

BS/DS/EN 60204-1:2018,

BS/DS/EN IEC 61800-3:2018, class C2

UK regulations

Supply of Machinery (safety) 2008

EMC 2016

Electrical Equipment (Safety) 2016

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.

During the warm-up phase, the test frequency was changed between 5 and 61 Hz for one test. During the warm-up phase, the axial fan was controlled according to DIN EN 12101-6. From the burner start, the test was carried out according to DIN EN 12101-3.

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.

Peter Holt
Technical director
Naestved, Denmark, 21st December 2023

