

## EU Declaration of performance

- |  |  |
|--|--|
| <p><b>1. Unique identification code of the product types</b><br/>         Novenco® NovAx™ ACN 400 - 1600</p>                             | <p><b>2. Intended use</b><br/>         Machine for smoke and heat extraction, axial extraction fan</p>   |
| <p><b>3. Manufacturer</b><br/>         Novenco Building &amp; Industry A/S,<br/>         Oeverup Erhvervsvej 50-52, DK-4700 Naestved</p> | <p><b>4. Authorised representative</b><br/>         Technical director of R&amp;D, Mr Peter Holt<br/>         Novenco Building &amp; Industry A/S,<br/>         Oeverup Erhvervsvej 50-52, DK-4700 Naestved</p>                      |
| <p><b>5. Systems of assessment and verification of constancy of performance</b><br/>         System 1</p>                                | <p><b>6. Harmonised standards</b><br/>         EN 12101-3:2015,<br/>         EN 13501-4:2016</p> <p><b>Notified body</b><br/>         ID no. 0761, iBMB MPA TU Braunschweig,<br/>         Beethovenstr. 52, D-38106 Braunschweig</p> |

**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			Setup						Arrangement						
	F400 120 min.	F300 60 min. + Free classification Ff300 120 min.	F200 120 min.	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
ACN 400 - 1600, 400 V, 50 Hz																
WEG	0761-CPR-0126	0761-CPR-0125	0761-CPR-0116	x		x		x	x	x	x					x
Leroy-Somer	NPD	0761-CPR-0079	0761-CPR-0080	x		x		x	x	x	x					x
Loher	0761-CPR-0038	NPD	NPD	x		x		x	x	x	x					x

**8. Appropriate technical documentation and/or specific technical documentation**

<b>EU directives</b>	EN ISO 12100:2010,
Machinery directive 2006/42/EU	EN ISO 13857:2019,
EMC directive 2014/30/EU	EN 60204-1:2018,
Low voltage directive 2014/35/EU	EN IEC 61800-3:2018, class C2

**UK regulations**

Supply of Machinery (safety) 2008  
 EMC 2016  
 Electrical Equipment (Safety) 2016

## 9. Compliance with the EN 12101-6:2022

The following fan was tested as a smoke control fan at 300 °C for two hours with variable speed during operation in accordance with EN 12101-6:2022, Annex C, par. C1.3 to C1.5.

Fan type	∅D [mm]	Nom. speed [RPM]	Nom. freq. [Hz]	Test freq. range [Hz]	Speed range [RPM]
ACN 630/330	630	2,940	50	5 – 57	294 – 3,374

Before the high temperature test, the fan was subjected to a general cycle test with more than 10.000 cycles as described in EN 12101-6:2022, Annex C, par. C1.2.

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

Fan type	∅D [mm]	Min. fan speed [RPM]	Max. fan speed [RPM]
ACN 500/*	500	294	3,374
ACN 560/*	560		3,374
ACN 630/*	630		3,374
ACN 710/230	710		3,275
ACN 710/280			3,230
ACN 710/330			3,215
ACN 710/380			3,097
ACN 800/230			800
ACN 800/280	2,930		
ACN 800/330	2,973		
ACN 800/380	2,859		

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, 15<sup>th</sup> January 2025

