

Certificate of constancy of performance

0761-CPR-0917

Z-3/709/03 (no. of agreement)

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Product Regulation or CPR), this certificate applies to the

construction product

**Powered smoke and heat exhaust ventilator
IGW axial ventilator, impeller design SAS
Range of diameters: 400 mm ... 1,600 mm
Not classified: 300 °C / 120 min**

produced by or for

**Witt & Sohn AG
Ziegeleiweg 38
25421 Pinneberg
Germany**

in the manufacturing plant

Pinneberg (Germany).

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 12101-3:2015

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate has an annex with three pages. It was first issued on 2020-01-19. The validity begins on 2022-07-04 and will remain valid until 2027-06-01, as neither the harmonised standard, the construction product, the AVCP method nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.

Braunschweig, 2022-07-04


Dr.-Ing. S. Lehmborg
(Head of certification body)



Annex of Certificate of constancy of performance

0761-CPR-0917

Annex 2 of 2

| | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flexible connectors | |
| <input type="checkbox"/> | Flexible inlet duct on the inlet side |
| <input type="checkbox"/> | Flexible inlet duct on the outlet side |
| <input type="checkbox"/> | Flexible inlet duct on the inlet and outlet side |
| <input type="checkbox"/> | Flexible inlet duct for the cooling air connection |
| Cooling air | |
| <input type="checkbox"/> | The minimum cooling air volume flow rate $C_{Air,\theta}$ depends on the fan's nominal size and nominal power (see operating manual). Maximum cooling air temperature $\theta = 40 \text{ }^\circ\text{C}$ |
| Starting | |
| <input type="checkbox"/> | AA oder MA (automatic or manual) |
| Snow load, wind load | |
| <input type="checkbox"/> | Opening under wind load in a defined period of time |
| <input type="checkbox"/> | Opening under snow load in a defined period of time |
| Accessories | |
| <input checked="" type="checkbox"/> | Bellmouth |
| <input checked="" type="checkbox"/> | Mounting brackets |
| <input checked="" type="checkbox"/> | Variable Frequency Drive |
| <input checked="" type="checkbox"/> | Terminal box |
| Application classes | |
| <input checked="" type="checkbox"/> | Dual purpose, Ventilation and Smoke extraction |
| <input checked="" type="checkbox"/> | Variable Speed Drive |

Technical product data:

| | |
|--------------------|----------------------------|
| Hub ratio | P, N, M, X, Y |
| Range of diameters | 400 mm ... 1,600 mm |
| Direction of flow | unidirectional, reversible |
| Motor maker | Nidec |
| Motor frame size | min 132 |
| | max 250 |

Additional information:

Standards referred to:

| | | | | |
|------------|------------|-----------|-----------|------------|
| EN 12101-3 | EN 13501-4 | EN 1363-1 | EN 1363-2 | ENV 1363-3 |
|------------|------------|-----------|-----------|------------|

Basis:

Test report no. 2401/206/20-C6.1 and 2401/206/20-C6.2 of 2022-01-12

----- End of the certificate of constancy of performance -----