

MPA Braunschweig, Beethovenstr. 52, 38106 Braunschweig, Germany

Certificate of constancy of performance

0761 – CPR – 0043

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: 450 mm ... 1,800 mm
Class according to EN 13501-4:2007+A1:2009: F₃₀₀ 60**

placed on the market under the name of

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

and manufactured in the 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 comprises an annex with 1 page. It has first been issued on 2006-09-06. The validity begins on 2021-09-24 and it will remain valid till 2026-09-23, as neither the harmonised specification, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the product certification body.

Braunschweig, 2021-09-24

Z-3/709/03



Dr.-Ing. W. Hinrichs
Head of certification

Smoke Exhaust Ventilator

1. Use and application classes

The ventilator may be mounted as follows:

- outside of the building without thermal insulation
- outside of 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 thermal insulation
- inside the fire zone without thermal insulation
- inside the fire zone including thermal insulation

The motor axle shall be orientated as follows:

- horizontal, floor standing
- horizontal, wall mounted
- horizontal, ceiling mounted
- vertical, Δp upward
- vertical, Δp downward
- vertical, wall mounted
- vertical, ceiling mounted

- The ventilator may be used for both functions.

- Cooling is necessary.

2. Minimum functioning time

In the test the ventilator maintained its function for at least 120 min.

3. Technical product data

| | | |
|--------------------|----------------------------|------|
| Hub ratio | N, M, X, Y | |
| Range of diameters | 450 mm ... 1,800 mm | |
| Direction of flow | unidirectional, reversible | |
| Motor maker | ABB | |
| Motor frame size | min. | 112M |
| | max. | 400 |

4. Additional information

Standards referred to:

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

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