(1) Type Examination Certificate

Product Service

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Type Examination Certificate Number:

TPS 20 ATEX 085751 0009 X *Rev. 01*

(4) Equipment: Non-electrical equipment and components of group II, category 2
Fan type: RVK-EX 315

(5) Manufacturer: Systemair GmbH

(6) Address: Seehöfer Straße 45
97944 Boxberg

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV SÜD Product Service GmbH certifies, based on a voluntary testing, that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipments and protective systems intended for use in potentially explosive atmospheres, given in Annex VIII of the Directive 2014/34/EU. The examination and test results are recorded in the confidential report 713169058_3. This Certificate is valid until 2025-03-30.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 80079-36:2016 **EN ISO 80079-37:2016**

(10) If the sign „X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

Ex II 2G Ex h IIB+H2 T3 Gb

Certification Body for Explosion Protection
Ridlerstrasse 65, 80339 München

München, 23.04.2020

Dipl.-Ing. Ulrich Jacobs

Product Service

(13) **Schedule**

(14) **Type Examination Certificate TPS 20 ATEX 085751 0008 X** ***Rev. 01***

(15) Description of Equipment:

The fan RVK-EX 315 is intended for the installation in ventilation systems and designed for installation in pipes. The housing is made of conductive plastic and includes a radial impeller with backward-curved blades. The speed of the RVK-EX 315 can be controlled by a 5-stage voltage regulator.

Technical data:

Type	Min. air gap [mm]	Voltage [V]	Max. Motorsize	Motor power [kW]	Max. speed [min^{-1}]
RVK-EX 315	2	230 - 400	MK085	0,39	1500

(16) Test report: 713169058_3

(17) Special conditions for safe use

- All additional safety instructions of the manufacturer must be met.
- The fan must be integrated into the local potential equalisation. All conductive parts must be grounded or connected to conductive parts. The resistance must be 10^6 Ω. The conductive connection between the individual parts must be constantly ensured and regularly checked.
- The explosion-protected drive motor installed on the fan must be secured to rated current as over-load protection. The conditions set out in the respective EC type-examination certificates must be fulfilled.
- The connection cable must be firmly installed and protected from mechanical loads and environmental influences.
- The user is responsible for carry only substances that do not affect the material of the fan.
- For the protection against ingress of solid objects there must be a device available on the inlet of the fan with minimum protection IP20.

(18) Essential health and safety requirements:

Met by standards

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