

1. **TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**
3. Type Examination Certificate Number: **EESF 20 ATEX 005X**
4. Product: **Fan**

Certified types: **RKX 500x250 D3, RKX 500x300 B3, RKX 600x300 F3, RKX 600x350 E3 and
RKX 700x400 B3**
5. Manufacturer: **H. ÖSTBERG AB**
6. Address: **Industrigatan 2, SE-77435 Avesta, SWEDEN**
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Expert Services Oy, Certification Body No. S017 accredited by the Finnish Accreditation Service (FINAS), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU of February 2014.

The examination and test results are recorded in confidential report No. EUFI29-19005540-T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 14986 (2017) EN ISO IEC 80079-36 (2016)
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
11. This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



II 2 G Ex h IIB T3 Gb

Espoo, 31.1.2020
Eurofins Expert Services Oy

Kari Koskela
Expert

Riku Vuorinen
Business Development Manager

This document is digitally signed.



13. **Schedule**

14. **Type Examination Certificate EESF 20 ATEX 005X**

15. **Description of Product**

The fans consist of housing, a fan wheel and a certified motor with a permanently connected cable. The material in the enclosure is galvanic sheet-iron and the inlet ring is made of copper. Each type of fan can have two different types of Ex-approved electric motors. The fans are designed for installation in duct systems which are intended to fulfil the required degree of ingress protection. The fan motors are equipped with three PTC temperature sensors, which are intended for connection to separate monitoring equipment. The fans may be run at partial voltage by a transformer but not by a frequency converter.

16. **Report Number**

EUFI29-19005540-T1

17. **Specific Conditions of Use**

The PTC thermal protection circuits of the motors shall be connected to a triggering device certified according to Directive 2014/34/EU, which shall immediately disconnect the motor from main supply upon activation of the PTC sensors.

When the fans are installed in a duct system the degree of protection IP 20 at the inlet side and IP 10 at the outlet side shall be fulfilled for the duct system. Parts that contribute to this protection shall have a suitable design with respect to strength and material.

The cable shall be permanently installed, mechanically protected and protected from other environmental stress in order to ensure explosion protection. The connection of the free end of the cable shall be explosion protected according to the valid installation regulations.

The rated current and power on the marking plate of the fan must not be exceeded. However, when fans are run at partial voltage by a transformer, the current may exceed the current on the marking plate according to the table in the certificate as long as the rated power is not exceeded.

18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

19. **Drawings and Documents**

Drawings and documents are listed in the confidential report.

20. **Certificate History**

Issue	Date	Report No.	Change
-	31.1.2020		New version from the certificate VTT 16 ATEX 017X