

EU-TYPE EXAMINATION CERTIFICATE

- 1.
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres
Directive 2014/34/EU**
3. EU-Type Examination Certificate Number: **EESF 24 ATEX 006X**
4. Product: **Fan**
Certified types: **RFTX 140A, RFTX 140C, RFTX 160A, RFTX 160C, RFTX 200A, RFTX 200B, RFTX 200C,
RFEX 140C and RFEX 160C**
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 Electric & Electronics Finland Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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.

The examination and test results are recorded in confidential report No. EUFI29-19005540-T2 and EUFI29-23004514-T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 80079-36:2016 EN 14986:2017
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 EU-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 2G Ex h IIB+H2 T3 Gb**

Espoo, 31.01.2024
Eurofins Electric & Electronics Finland Oy

Kari Koskela
Senior Expert

Karo Ovaska
Expert

This document is digitally signed.



13. **Schedule**

14. **EU-Type Examination Certificate EESF 24 ATEX 006X**

15. **Description of Product**

The RFTX and RFEX fans are equipped with non-sparking inlet cone and it is made from copper the enclosure is galvanic sheet-iron. The fans consist of housing, a fan wheel and a certified induction motor with a junction box. The fan wheels are made of hot dip galvanized low carbon steel and the fans are designed for installation in duct systems, which are intended to fulfil the required degree of ingress protection.

The motors are certified according to IBExU02ATEX1109, IBExU02ATEX1110, IBExU02ATEX1111 issue 1, IBExU20ATEXXQ011 issue 0 and TÜV IT 13 ATEX 039 X. The terminal boxes on the VEM motors are supplied with a certified cable gland M25 x 1,5 according to certificate DMT 99 E 016. The terminal boxes on the RAEL motors are supplied with a certified cable gland M20 x 1,5 according to certificate IMQ 13 ATEX 010X or PTB 13 ATEX 1015X.

Data

Type of duty	S1 (continuous duty)
Supply voltage	RFTX: 400 V AC, 50 Hz
	RFEX: 230 V AC, 50 Hz and 60 Hz

16. **Report Number**

EUFI29-19005540-T2 and EUFI29-23004514-T1

17. **Specific Conditions of Use**

External sources of heating or cooling shall be considered so that the ambient temperature is kept in the range -20 ... +40 °C.

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 rated current and power on the marking plate of the fan must not be 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
VTT 16 ATEX 045X	16.12.2016	VTT-S-04957-16	Original Certificate
EESF 20 ATEX 006X	31.01.2020	EUFI29-19005540-T2	New motors added to the certificate. Details in the test report.
EESF 24 ATEX 006X	30.1.2024	EUFI29-23004514-T1	New motors added to the certificate. Details in the test report. Improved assembly in place, will prevent the impeller from accidentally rotate on the axle.