

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 Issue 1**
4. Product: **Fan**
Certified types: **RFTX 140A, RFTX 140C, RFTX 160A, RFTX 160C, RFTX 200A, 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-T3.
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, 27.02.2025

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 Issue 1

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.

Three-phase motors of types series BD71..Y .. are certified according to PTB 17 ATEX 1008 X.

Fan type	Motor type	Rated voltage (V)	Frequency (Hz)	Speed (rpm)	Rated current (A)	Rated power (W)
RFTX 140 A	IE3 KPR 63 G4	400	50	1480	0.4	90
RFTX 140 A Y690V D400V	BD 71M1-4 Y3_2 50Hz	Y690/D400	50	1445	0,4/0,69	250
RFTX 140 A Y440V 60Hz	BD 71M1-4 Y3_2 Y690 60Hz	440	60	1800	0.65	250
RFTX 140 A Y690V 60Hz	BD 71M1-4 Y3_2 Y690 60Hz	690	60	1800	0.41	250
RFTX 140 C	IE3 KPER 63 G2	400	50	2600	0.62	395
RFTX 160 A	IE3 KPR 63 G4	400	50	1470	0.41	128
RFTX 160 A Y690V D400V	BD 71M1-4 Y3_2 50Hz	Y690/D400	50	1445	0,4/0,69	250
RFTX 160 A Y440V 60Hz	BD 71M1-4 Y3_2 Y690 60Hz	440	60	1800	0.65	250
RFTX 160 A Y690V 60Hz	BD 71M1-4 Y3_2 Y690 60Hz	690	60	1800	0.41	250
RFTX 160 C	IE3 KPER 71 G2	400	50	2770	1.09	679
RFTX 200 A	IE3 KPR 63 G4	400	50	1370	0.66	371
RFTX 200 A Y690V D400V	BD 71M1-4 Y3_2 50Hz	Y690/D400	50	1445	0,4/0,69	250
RFTX 200 A Y440V 60Hz	BD 71M1-4 Y3_2 Y690 60Hz	440	60	1800	0.65	250
RFTX 200 A Y690V 60Hz	BD 71M1-4 Y3_2 Y690 60Hz	690	60	1800	0.41	250
RFTX 200 C	IE3 KPR 71 G4	400	50	1440	1.01	500
RFEX 140 C	RL M63B4	230	50/60	1460/1740	1,24/0,87	169/185
RFEX 160 C	RL M63B4	230	50/60	1440/1690	1,31/1,05	193/226

16. Report Number

EUF129-19005540-T2 and EUFI29-23004514-T3

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.
EESF 24 ATEX 006X Issue 1	27.02.2025	EUFI29-23004514-T3	Three(3) new motors added to the certificate. New motor supplier. RFTX 200B product removed.