

(1) **EU-Type Examination Certificate**(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU**(3) EU – Type Examination Certificate Number: **IEP 24 ATEX 1342X**(4) Product: **Axial Fans, Bear Type**(5) Firm Name: **NOVVES Elektrik Motor Anonim Şirketi**(6) Firm Address: **Taşköprü Merkez Mah. Çaydere Sk. No:9/1 İç Kapi No:2 Çiftlikköy/Yalova/TÜRKİYE**

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

(8) The IEP Uluslararası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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/III to the Directive. The examination and test results are recorded in confidential Report Nr : IEP.Rp.Ex.10-2729 date 07.02.2024.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN 14986:2017, IEC EN 60079-0:2018, ISO EN 80079-36:2016

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe 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 in accordance to the directive 2014/34/EU. 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 equipment or protective system shall include the following:

**II 2G Ex db or eb IIC T4 Gb / II 2D Ex tb IIB T 130 °C Db**
II 2G Ex h IIC T4 Gb / II 2D Ex h IIB T 130 °C Db**Responsible Person :**Nurettin Terzioglu
Head of Certification Body**Date of Issue : 16.02.2024**



(13) Schedule

(14) Certificate Nr : IEP 24 ATEX 1342X

(15) Description of Equipment Protective System: Ex Axial fans are single inlet. Fans used for ventilation purposes. Axial fans consist of the following main assemblies: housing, impeller, air inlet and outlet IP 20 protection housing, terminal box and drive motor. This devices are used for IIB gas and IIB dust group explosive atmospheres. Fans have a body made of electrostatic powder-coated steel. The wings are made of aluminum casting. They are only built with direct drive (an impeller on the motor shaft).

There are four types of axial fans; Hive type, Roof type, Wall type and Celled type. Description of Equipment Protective System axial fan mechanical and electrical parts list is technical file table 1/2/3/4 dated 06.01.2024 (1 page).

Axial Fans are use to the zone 1/2 or zone 21/22 according to the EN 60079-10-1 and EN 60079-10-2. Information of assembled working of axial fan with other related equipment's exist in instruction manual with 23 page approved and date January 2024.

Technical Parameters;

Technical Specifications	Types			
	EX-T	EX-W	EX-R	EX-C
Current	0,33 Amp. ~ 96,8 Amp.			
Voltage / Frequency (VAC / Hz)	400V / 50 Hz			
rpm	1440~2880			
Motor Power (Kw)	0,12 kW ~55 kW			
Ambient Temp.: (-20 ~ +40) °C, Fans IP 20 / Motor IP 55 / IP 65, PTC 120 °C Max				

(16) Essential Health and Safety Requirements :

This certificate is in the contents of standards that mentioned in item [9] It has been accepted that radial fans are manufactured according to the producer instructions and the standards mentioned above.

(17) Special conditions for safe use:

17.1 (IEP 24 ATEX 1342X) X means: Installation should be done by authorized personnel or authorized company according to the usage and maintenance manual. For motors with drivers, a thermal breaker must be connected.

17.2 If bearing temperature sensor system, vibration tracking system etc. want to mounted in the system, this sensors will be certified ATEX zone 1/2 or zone 21/22. And this montage shall be approved.

17.3 For terms of installation, it must be ensured that the equipment grounding connection of all components is realized and will be maintained.

17.4 The equipment may only be opened in absence of an explosive atmosphere.

17.5 All additional safety instructions of the manufacturer must be met.

Responsible Person :

Nurettin Terzioglu
Head of Certification Body





IEP ENERGY PETROLEUM INSTITUTE

(18) Schedule

(19) Certificate Nr : IEP 24 ATEX 1342X

(20) List of Documentation;

- Axial fans user manual [23 pages dated January.2024]
- Component Lists: [Technical file table 1/2/3/4 dated 06.01.2024 (1 page).]
- Test Reports [6 pages dated 06.01.2024]
- Risk assessment report (4 pages dated 06.01.2024)
- Drawings;

Drawing Nr;

Drawing Name;

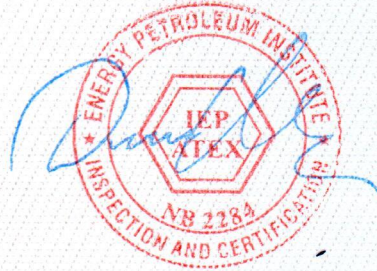
Date;

BEAR 710EX-TAAXU-2T4	Mounting Drawing	22.06.2022
BEAR 710EX-TAAXU-2T4	Mounting Drawing	22.06.2022
BEAR 710EX-TAAXU-2T4	Mounting Drawing	22.06.2022
MP710112L	112 Body Engine Plate Lower	22.06.2022
MP710112U	112 Body Engine Plate Top	22.06.2022
SF710	Mounting Foot	22.06.2022
T710L2F	Flange Sleeve Sheet L2	22.06.2022
ASL710	Anti-Spark Lining	22.06.2022
Ex-T type fans general dimensions drawing and tables		22.06.2022
Ex-W type fans general dimensions drawing and tables		22.06.2022
Ex-R type fans general dimensions drawing and tables		22.06.2022
Ex-C type fans general dimensions drawing and tables		22.06.2022
Air inlet and outlet IP 20 protection device		22.06.2022
Grounding drawing		22.06.2022

(21) For the validity of analysis type certificate, the parts that are used Axial Fans are determined in confirmed in the list of equipment, table 1/2/3/4 dated 06.01.2024. If parts other than the approved equipment list are used, the certificate is invalid.

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



Date of Issue : 16.02.2024

