

- (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 1343X**
- (4) Product: **Radial 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.10-2730 date 08.02.2024.
- (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 1343X

(15) Description of Equipment:

Radial fans are single inlet. Fans used for ventilation purposes. Radial fans consist of the following main assemblies: housing, impeller, non-sparking safety plate, air inlet and outlet IP 20 protection housing, terminal box and drive motor. This device the electrical radial fans. These devices are used for IIB gas and IIIB dust group explosive atmospheres. Fans have a body made of electrostatic powder-coated steel. The wings are made of aluminum casting. There are four types of radial fans; Rectangular duct type, Roof type, Scroll Case type and Celled type.

Description of Equipment Protective System radial fan mechanical and electrical parts list is technical file table 1/2/3/4 dated 06.01.2024 (1 page).

Radial Fans are used 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 :

Technically Specification	Types			
	EX-REB	EX-LPF	EX-RHS/RVS	EX-BP
Current	0,27 ~ 5,3	1,2 ~ 80,5	0,27 – 49,5	0,25-49,5
Voltage Frequency (V-Hz)	400-50	400-50	400-50	230-50
rpm	1450	1450	1450	1365 ~ 1430
Motor Power (Kw)	0,25~1.5	0,37~30	0,25~18,5	0,37~18,5
Ambient Temp. : (-20 ; +40) °C, Fan IP 20, Motor IP 55 / IP 65, PTC 120 °C				

(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 1343X) 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, it 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 1343X

(20) List of Documentation;

- Radial 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)
- Ex- REB - LPF - RHS/RVS - BP type fans are available in the general dimension drawing and tables dated 20.01.2024 in the technical file dated January 2024.
- Drawing;

Drawing Nr;	Drawing Name;	Date;
BEAR RVS Ex 710T	Mounting Drawing	28.05.2023
BEAR RVS Ex 710T	Mounting Drawing	28.05.2022
BEAR RVS 710T	Mounting Drawing	28.05.2023
HERON RVS 710T	Mounting Drawing	28.05.2023
WW 710 A	Return to Radial Propeller 710	28.05.2023
H-RVS-710 T-01	Bottom Plate	28.05.2023
H-RVS-710 T-02	Side Plate	28.05.2023
H-RVS-710 T-03	Side Plate Junc. Box	28.05.2023
H-RVS-710 T-04	Side Plate	28.05.2023
H-RVS-710 T-05	Junction Box Base	28.05.2023
H-RVS-710 T-06	Carrier Foot	28.05.2023
H-RVS-710 T-07	Carrier Plate	28.05.2023
H-RVS-710 T-08	Cap	28.05.2023
H-RVS-710 T-09	Hat Top Cap	28.05.2023
H-RVS-710 T-10	Cnnecting Piece	28.05.2023
BEAR REB Ex 60-35T	Mounting Drawing	22.06.2022
BEAR REB Ex 60-35T	Mounting Drawing	22.06.2022
BEAR REB Ex 60-35T	Mounting Drawing	22.06.2022
WW 355 B	Radial impeller 355 b direction	22.06.2022
Reb60-35TV2_Ad	Director Sheet	22.06.2022
Reb60-35TV2_BP	Intermediate Panel Sheet	22.06.2022
DFC25	Duct Flange Corner	22.06.2022
Reb60-35TV2_MP71	71 Trunk Engine Plate Sheet	22.06.2022
Reb60-35TV2_MPS1/2	Engine Plate registration 1/2	22.06.2022
Reb60-35TV2_N	Snail Sheet	22.06.2022
Reb60-35TV2_OPP1	Outer Box Part 1	22.06.2022
Reb60-35TV2_OPP2	Outer Box Part 2	22.06.2022
Reb60-35TV2_OPS1/2/3	Outer Box Part 1/2/3	22.06.2022
Reb60-35TV2_OPS1/2/3	Outer Box Part 1/2/3	22.06.2022
Reb60-35TV2_SP	Router Sheet	22.06.2022

(21) For the validity of analysis type certificate, the parts that are used Radial 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 : 12.02.2024



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