

(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 23 ATEX 1302X**(4) Equipment : **MA type, Axial Fans**(5) Manufacturer : **MULTIVENT HAVALANDIRMA SİSTEMLERİ LİMİTED ŞİRKETİ**(6) Address : **ÜÇEVLER MAH. İZMİR YOLU CAD. WEST POINT BLOK NO:241D****İÇ KAPI NO: 2 Nilüfer - BURSA / 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. Şti., 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 to the Directive. The examination and test results are recorded in confidential Report Nr: IEP. Ex.RP 10-2642 date 26/10/2023.

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

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

(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 IIB/IIC T3...T6 Gb / II 2D Ex tb IIC T125°C Db**
II 2G Ex h IIB/IIC T3...T6 Gb / II 2D Ex h IIC T125°C Db**Responsible Person:**Nurettin Terzioğlu
Head of Certification Body**Date of Issue: 27.10.2023**IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
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Fr:45

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IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule and Certificate Nr: **IEP 23 ATEX 1302X**

(14) Description of Equipment: MA type axial fans consist of DF-Ex duct type, BF-Ex bifurcated case axial fans type, WF-Ex wall type, R-Ex roof type. The fans consist of a fan wheel ATEX certified induction motor and a junction box (Ex-d/e - Zone 1 or Zone 21). Axial fan mechanical and electrical parts list is form 1,2,3 - 04.06.2023. Axial Fans are used as external zone 1, 21 or zone 2, 22 and interior zone 1,21 that be used danger area determined in the EN 60079-10-1/2 standard. Information's of assembled working of Axial Fans with order-related equipment exists in the instruction manual with 21 pages and date 12.10.2023 / Document Nr. KE-002.

Technical Parameters:

Type	Capacity		Motor Power		Motor Speed	Hub Size Min	Hub Size Max
Model	Min (m³/h)	Max (m³/h)	kW(min)	kW (Max)	(rpm)	(mm)	(mm)
MA- DF-Ex	2.350	50.000	0,18	7,5	1450	310	2000
MA- BF-Ex	1.000	130.000	0,12	45		455	1150
MA- WF-Ex	2.350	50.000	0,18	7,5		325	1.100
MA- R-Ex	1.200	92.300	0,12	11		355	1.250
Air / Gas Transition Max 80°C							
Ambient Temperature Max (-20 ~ +50 °C)							

(15) List of Documentation;

- Risk analysis report, 17.08.2023
- User and service manual, 21 page, date 12.10.2023 / Document Nr. KE-002.
- Drawings;

Drawings Nr;	Date;	Drawings Nr;	Date;
MA- DF-Ex	06.09.2023	MA- BF-Ex	06.09.2023
MA- WF-Ex	06.09.2023	MA- R-Ex	06.09.2023

(16) Essential Health and Safety Requirements: This certificate is in the contents of standards that mentioned in item [9] It has been accepted that axial fans are manufactured according to the producer instructions and the standards mentioned above.

(17) Special conditions for safe use; The fan must be integrated into the local potential equalization. All conductive parts must be grounded or connected to conductive parts. The conductive connection between the individual parts must be constantly ensured and regularly checked. The explosion-protected drive motor installed on the fan must be secured to rated current as overload protection. The conditions set out in the respective EC type-examination certificates must be fulfilled. The connection cable must be firmly installed and protected from mechanical loads and environmental influences. For the protection against ingress of solid objects there must be a device available on the inlet of the fan with minimum protection IP20.

IEP 23 ATEX 1302X: It should be assembled according to the user manual. Periodic checks should be carried out by authorized personnel. For the validity of analysis type certificate, the parts that are used in axial fans is determined in confirmed the list of equipment's part 1,2,3 -04.06.2023

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



Date of Issue: 27.10.2023

