

Supplement No: 1**(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 17 ATEX 0539X****(4) Equipment: VAX-EX xxx Type Axial Fans****(5) Manufacturer: VENCO Havalandırma Yedek Parça Makine Sanayi ve Ticaret A.Ş.****(6) Address: 2004 Cadde No: 5 T.O.S.B Turgutlu / MANİSA – TURKEY****(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.Rp.Ex.10-1185-1 date 18.11.2021.****(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 T4...T6 Gb / II 2D Ex tb IIC T135°C Db
II 2G Ex h IIB/IIC T4...T6 Gb / II 2D Ex h IIC T135°C Db****Responsible Person:****Nurettin Terzioglu
Head of Certification Body****Supplement Date of Issue: 25.11.2021**



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(13) Schedule

(14) Certificate Nr: **IEP 17 ATEX 0539X**

(15) Description of Equipment:

VAX-EX type axial fans are single inlet. Fans used for ventilation purposes. This device the electrical axial fans. These devices are used for IIB or IIC gas group and IIIC dust group explosive atmospheres. The product can be used in IIB or IIC gas environments. If IIB gas environment is present, it can use IIB ATEX certified equipment. Likewise, if there is an IIC gas environment, it must use IIC ATEX certified equipment. (It must never be installed IIA ATEX certified part.)

Axial fan with adjustable blade pitch angle at standstill, long cylindrical casing with flanges on both ends, direct driven, explosion proof according to ATEX. Cylindrical duct casing in S235JR steel, covering impeller (motor protrudes at rear). Rolled flanges at both ends. Dimensions and flange drillings to Explosion-proof execution according to ATEX.

Description of Equipment Protective System axial fan mechanical and electrical parts list is part 3 and date 20.11.2021.

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's exist in instruction manual with 8 pages and date 01.11.2021.

VAX-EX xxx Type Axial Fans 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)
VAX-EX-500	1000	18000	1,1	3	750- 1000 – 1500 - 3000	150	180
VAX-EX-560	1300	24000	1,1	4		150	250
VAX-EX-630	2400	34000	1,1	7,5		150	350
VAX-EX-710	4000	44000	1,1	18,5		150	350
VAX-EX-800	5000	70000	1,1	37		150	400
VAX-EX-900	7000	56000	1,1	22		150	400
VAX-EX-1000	13000	77000	1,1	37		250	400
VAX-EX-1120	17000	105000	2,2	45		350	400
VAX-EX-1250	23000	140000	2,2	55		350	400
VAX-EX-1400	29000	150000	5,5	55		400	400
Air / Gas Transition Max 80 °C							
Ambient Temperature Max (-20 ~ +40 °C)							

(16) Special conditions for safe use

The installation and the operation of the axial fans has to confirm to the relevant national regulations.

IEP 17 ATEX 0539X: It should be assembled according to the user manual. Periodic checks should be carried out by authorized personnel.

Responsible Person :

Nurettin Terzioglu
Head of Certification Body





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(18) Essential Health and Safety Requirements:

18.1 Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction.

18.2 At the installation and the operation of the axial fans has to be observed manufacturer's manual 8 pages dated 01.11.2021.

(19) List of Documentation:

- ♦ Axial fans user manual : 8 pages, dated 01.11.2021
- ♦ Component Lists : Part 3 dated 20.11.2021
- ♦ Mounting Pictures and Technical Drawings : Part 4
- ♦ Certificates and Test Reports : Part 5
- ♦ Drawings;

Drawing Nr	Drawing Name	Date
VAX-EX-01	General Drawing	03.11.2017
VAX-EX-02	Exploded Picture	03.11.2017
VAX-EX-03	Part Drawing	25.10.2017
VAX-EX-04	Part Drawing – Hub Blade	03.11.2017
VAX-EX-05	Hub Drawing	24.10.2017
VAX-EX-06	180 Hub Body – Cover	03.12.2015
VAX-EX-07	V1-V2 Blade	03.11.2017
VAX-EX-08	Terminal Box	01.11.2017
VAX-EX-09	Connection Details – 1	03.11.2017
VAX-EX-010	Connection Details – 2	03.11.2017
Section 2.6	Electrical – Mechanical Connection Shame	01.08.2017
Section 2.7	Label	20.11.2021

For the validity of analysis type certificate, the parts that are used in radial fans is determined in confirmed the list of equipment's part 3 and date 20.11.2021.

Certificate History;

Supplement No	Supplement Date	Summary Description of Variation
01	25.11.2021	Standard Update
00	22.11.2017	First issue of certificate

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



Supplement Date of Issue: **25.11.2021**

