

- (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 1304X**
- (4) Equipment: **D-KTF XXX-Ex Series Channel Type Fan**
- (5) Manufacturer: **HAVART İklimlendirme Limited Şirketi**
- (6) Address: **Beşevler Mah. Yıldırım Cad. No:336A /1 Nilüfer - Bursa / TÜRKİYE**
- (7) Production Location: **Pamucak OSB Mah. 2. Cad. No:14/1 Pazaryeri - Bilecik / TÜRKİYE**
- (8) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (9) 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.10-2649 date 18.10.2023.
- (10) Compliance with Essential Health and safety requirements has been assured by compliance with;
- EN 14986:2017 , EN IEC 60079-0:2018 , EN ISO 80079-36:2016**
- (11) 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.
- (12) 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.
- (13) The marking of the equipment or protective system shall include the following:



II 2G Ex db or eb IIC T4 Gb / II 2G Ex h IIC T4 Gb
II 2D Ex tb IIC T 120°C Db / II 2D Ex h IIC T 120°C Db

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



Date of Issue: 20.10.2023





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(14) Schedule

(15) Certificate Nr: **IEP 23 ATEX 1304X**

(16) Description of Equipment:

D-KTF XXX-Ex series channel type fans are single inlet. Fans are used for ventilation purposes. These devices are used for IIC gas and IIIC dust group explosive atmospheres. 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 channel type fans mechanical and electrical parts list is drawing number D-KTF-EX_000 and date 29.06.2023. Channel type fans are used as external zone 1 or zone 21 that be used danger area determined in the EN 60079-10-1 and EN 60079-10-2 standard. Information's of assembled working of channel type fans with order related equipment's exist in instruction manual with 22 page and dated September 2023.

Technical Parameters:

Type	Capacity (m ³ /h)	Motor Power (kW)	Speed	Current (A)
D-KTF 280-EX	1150	0,18 ~ 0,22	1330 ~ 1600	0,75
D-KTF 315-EX	2000	0,25 ~ 0,30	1320 ~ 1525	1,05
D-KTF 355-EX	2500	0,37 ~ 0,44	1425 ~ 1710	1,35
D-KTF 400-EX	3500	0,55 ~ 0,66	1410 ~ 1690	1,5
D-KTF 450-EX	5000	0,75 ~ 0,90	1430 ~ 1715	2,1
D-KTF 500-EX	7000	1,10 ~ 1,32	1420 ~ 1705	2,8
D-KTF 560-EX	9800	1,5 ~ 1,80	1415 ~ 1700	2,6
Frequency: 50 / 60 Hz , Voltage : 400 ~ 460 V Ambient Temperature Max (-20 ~ +40 °C) Air / Gas Transition Max 80 °C				

(IEP 23 ATEX 1304 X) X means: Periodic inspection and maintenance should be done by authorized personnel according to the user manual and related standards. Its assembly and revision must be done by authorized personnel.

(17) Special conditions for safe use;

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

(18) Essential Health and Safety Requirements:

18.1 Are included in standards, which are mentioned in clause (10) 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 channel type fan has to be observed manufacturer's manual 22 pages dated September 2023.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body





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(19) Certificate Nr: **IEP 23 ATEX 1304X**

(20) List of Documentation:

- ♦ Axial fans user manual : 22 pages, dated September 2023
- ♦ Component Lists : Drawing number / D-KTF-EX_000, date 29.06.2023
- ♦ Exploded drawing : D-KTF-EX_000 / 29.06.2023
- ♦ Risk assessment report : EN ISO 80079-36 / Annex B (15.08.2023)
- ♦ Drawings:

Drawing Nr;	Date;	Drawing Nr;	Date;
D-KTF 280-EX_001	29.06.2023	D-KTF 280-EX_003	29.06.2023
D-KTF 280-EX_004	29.06.2023	D-KTF 280-EX_005	29.06.2023
D-KTF 280-EX_006	29.06.2023	D-KTF 280-EX_007	29.06.2023
D-KTF 280-EX_009	29.06.2023	D-KTF 280-EX_010	29.06.2023
D-KTF 315-EX_001	29.06.2023	D-KTF 315-EX_003	29.06.2023
D-KTF 315-EX_004	29.06.2023	D-KTF 315-EX_005	29.06.2023
D-KTF 315-EX_006	29.06.2023	D-KTF 315-EX_007	29.06.2023
D-KTF 315-EX_009	29.06.2023	D-KTF 315-EX_010	29.06.2023
D-KTF 355-EX_001	29.06.2023	D-KTF 355-EX_003	29.06.2023
D-KTF 355-EX_004	29.06.2023	D-KTF 355-EX_005	29.06.2023
D-KTF 355-EX_006	29.06.2023	D-KTF 355-EX_007	29.06.2023
D-KTF 355-EX_009	29.06.2023	D-KTF 355-EX_010	29.06.2023
D-KTF 400-EX_001	29.06.2023	D-KTF 400-EX_003	29.06.2023
D-KTF 400-EX_004	29.06.2023	D-KTF 400-EX_005	29.06.2023
D-KTF 400-EX_006	29.06.2023	D-KTF 400-EX_007	29.06.2023
D-KTF 400-EX_009	29.06.2023	D-KTF 400-EX_010	29.06.2023
D-KTF 450-EX_001	29.06.2023	D-KTF 450-EX_003	29.06.2023
D-KTF 450-EX_004	29.06.2023	D-KTF 450-EX_005	29.06.2023
D-KTF 450-EX_006	29.06.2023	D-KTF 450-EX_007	29.06.2023
D-KTF 450-EX_009	29.06.2023	D-KTF 450-EX_010	29.06.2023
D-KTF 500-EX_001	29.06.2023	D-KTF 500-EX_003	29.06.2023
D-KTF 500-EX_004	29.06.2023	D-KTF 500-EX_005	29.06.2023
D-KTF 500-EX_006	29.06.2023	D-KTF 500-EX_007	29.06.2023
D-KTF 500-EX_009	29.06.2023	D-KTF 500-EX_010	29.06.2023
D-KTF 560-EX_001	29.06.2023	D-KTF 560-EX_003	29.06.2023
D-KTF 560-EX_004	29.06.2023	D-KTF 560-EX_005	29.06.2023
D-KTF 560-EX_006	29.06.2023	D-KTF 560-EX_007	29.06.2023
D-KTF 560-EX_009	29.06.2023	D-KTF 560-EX_010	29.06.2023

For the validity of analysis type certificate, the parts that are used in D-KTF XXX-Ex series channel type fan is determined in confirmed the list of equipment's exploded drawing/D-KTF-EX_000 date 29.06.2023. Installation and maintenance should be done by authorized personnel according to the standard and manual.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



Date of Issue : 20.10.2023

