

(1) **Statement of Conformity**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU



(3) **Statement of Conformity Number:** TÜV CY 21 ATEX 0206506 X

(4) for the equipment: AXIAL FANS – TUBE Ex

(5) of the manufacturer: Fanevolution S.r.l.

(6) Address: Via Solferino, 7
20121, Milano (MI)
Italy

Order number: 0206506

Date of issue: 2021-06-09

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.

(8) TÜV CYPRUS Ltd certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 21 0206506.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

ISO EN 80079-36:2016

ISO EN 80079-37:2016

EN 14986:2017

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:



II 2/2 G Ex h IIB T3 Gb/Gb
II 2/2 G Ex h IIB+H2 T4 Gb/Gb
II 3/3 G Ex h IIB T3 Gc/Gc
II 3/3 G Ex h IIB+H2 T4 Gc/Gc

II 2/2 D Ex h IIIB T200°C Db/Db
II 2/2 D Ex h IIIC T135°C Db/Db
II 3/3 D Ex h IIIB T200°C Dc/Dc
II 3/3 D Ex h IIIC T135°C Dc/Dc

TÜV CYPRUS Ltd (TUV NORD Group), notified by the CYSAB

The head of competent body,

D. Demos Venous
Member of
TUV Nord
2261

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(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 21 ATEX 0206506 X**

(15) Description of equipment

TUBE Ex fans are used when large air capacities with relatively low pressures are required, in duct mounted applications. The axial fans are directly coupled to electrical motor with ATEX certification (refer to ATEX manual).

The series consists of 15 sizes with the impellers diameter:

Model	Impeller diameter [mm]
310	310
350	350
400	405
450	455
500	504
560	564
630	633
710	703
800	801
900	900
1000	1004
1120	1123
1250	1252
1400	1386
1600	1598

Type	Conveyor
TUBE-IL	Long
TUBE-IS	Medium

(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 21 ATEX 0206506 X**

Technical data:

Conveyed air	clean, not abrasive or corrosive
Temperature conveyed air	- 50 ° C / + 60 ° C
Absolute pressure	0.8 bar < P < 1.1 bar
Volume fraction of maximum oxygen content	21%
Voltage and frequency of power supply	Single-phase (M) V230/264 Three-phase (T) V380/480
Frequency	50 Hz – 60 Hz
Maximum tip speed impeller with aluminum blades	127 m/sec
Maximum tip speed impeller with plastic blades	113 m/sec

Marking fans - series DUCT-M ATEX	Minimum Marking of Motor*
II 2/2 G Ex h IIB T3 Gb/Gb II 3/3 G Ex h IIB T3 Gc/Gc	IIB T3
II 2/2 G Ex h IIB+H2 T4 Gb/Gb II 3/3 G Ex h IIB+H2 T4 Gc/Gc	IIC T4
II 2/2 D Ex h IIIB T200°C Db/Db II 3/3 D Ex h IIIB T200°C Dc/Dc	IIIB T200°C
II 2/2 D Ex h IIIC T135°C Db/Db II 3/3 D Ex h IIIC T135°C Dc/Dc	IIIC T135°C

*The

motor protection mode shall be according to the marking.

Permitted range of the ambient temperature:

Permitted range of the ambient temperature	- 50 ° C / + 60 ° C
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(16) Test documents are listed in the test report No. 21 0206506.

(17) **Special conditions for safe use**

- Use only with dust having a minimum ignition energy MIE > 3mJ;
- The ambient temperature cannot exceed 60°C;
- See and carry out the periodic checks required by the use and maintenance manual;
- The external grounding shall be provided by end-users;
- See use and maintenance manual.

(18) **Essential Health and Safety Requirements**

No additional ones.