

(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 0206507 X

(4) for the equipment: AXIAL FANS - WALL Ex

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

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

Order number: 0206507

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 0206507.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 80079-36:2016

EN ISO 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. Demosthenous

Member of
TUV Nord
2261

TÜV CYPRUS (TUV NORD) Ltd,
2 Papaflessa Str., 2235 Latsia, Nicosia - P.O.Box: 20732, 1663 Nicosia, Cyprus
Tel:+357 22 44 28 40 Fax:+35722 44 28 50 email: info@tuvcyprus.com.cy
www.tuv-nord.com/cy

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(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 21 ATEX 0206507 X**

(15) Description of equipment

WALL Ex fans are used when large air capacities with low pressures are required, in applications with wall or panel fixing. The axial fans are directly coupled to electrical motor with ATEX certification (refer to ATEX manual). The series consists of 10 sizes with the impellers diameter from:

Model	Impellers diameter [mm]
250	257
315	308
350	360
400	406
450	457
500	507
560	564
630	633
710	703
800	793

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) V220/264 Three-phases (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

(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 21 ATEX 0206507 X**

Marking fans	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:

Maximum ambient temperature range	- 50 ° C / + 60 ° C
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The permitted range of the ambient temperature shall be according to the motor marking.

(16) Test documents are listed in the test report No. 21 0206507.

(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.