

(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 16 ATEX 0205707

(4) for the equipment: AXIAL FANS - DUCT-M

(5) of the manufacturer: **Elektrovent s.r.l.**

(6) Address: Via delle Pozzette, 18  
25080, Soiano del lago (BS)  
Italy

Order number: 0205707

Date of issue: 2016-04-20

- (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. 16 0205707.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- |                        |                        |                      |
|------------------------|------------------------|----------------------|
| <b>EN 13463-1:2009</b> | <b>EN 13463-5:2011</b> | <b>EN 14986:2007</b> |
|------------------------|------------------------|----------------------|
- (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 2G c IIB T3 resp. IIC T4  
II 2D c T135°C resp. T200°C  
II 3G c IIB T3 resp. IIC T4  
II 3D c T135°C resp. T200°C

TÜV CYPRUS Ltd (TÜV NORD Group),

The head of the accreditation body, accredited by the CYSAB

D: Demosthenous



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(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 16 ATEX 0205707**

(15) Description of equipment

DUCT-M 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	308
350	347
400	400
450	450
500	499
560	558
630	627
710	695
800	793
900	891
1000	994
1120	1111
1250	1239
1400	1365
1600	1576

Type	Conveyor
DUCT-ML	Long
DUCT-MM	Medium
DUCT-MS	Short

(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV CY 16 ATEX 0205707**

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 2G c IIB T3 II 3G c IIB T3	IIB T3
II 2G c IIC T4 II 3G c IIC T4	IIC T4
II 2D c T200°C II 3D c T200°C	T200°C
II 2D c T135°C II 3D c T135°C	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. 16 0205707.

(17) Special conditions for safe use

None.

(18) Essential Health and Safety Requirements

No additional ones.