



(1) **Statement of Conformity**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3) **Statement of Conformity Number: TÜV 14 ATEX 139959**

(4) for the equipment: Centrifugal suction fans execution  
1, 9, 12 and 8

(5) of the manufacturer: **Maico Italia S.p.A.**

(6) Address: Via Maestri del Lavoro, 12  
25017 Lonato del Garda (BS)  
Italy

Order number: 8000433319

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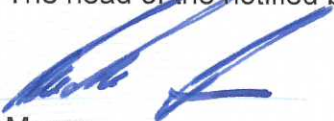
- (7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH certifies that this equipment or protective system has been found to comply with the Essential 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. 14 214 139959.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 13463-1:2009                      EN 13463-5:2011                      EN 14986:2007**
- (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 94/9/EC. 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 c IIB+H<sub>2</sub> TX**  
**II 2/2 D c TX**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

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(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV 14 ATEX 139959**

(15) Description of equipment

The centrifugal suction fans are divided into 3 macro groups: low pressure, medium pressure and high pressure. Every family consists in different size fans, whose characteristic dimensions are always proportional. There are 4 different types of execution: 1, 8, 9 and 12. In the execution 1 the keyed impeller on the shaft is rotating on two bearings assembled on the basis/pedestal; in the execution 4 the suction fan is directly coupled to the motor shape B3 and the keyed impeller on the driving shaft (no bearings on the fan); in the execution 5 the suction fan is directly coupled to the motor shape B5 (no bearings on the fan); the execution 8 is similar to the execution 1 but with an extension of the basis/pedestal for supporting the motor; the execution 9 is similar to the execution 1 but with motor assembled on the basis/pedestal side; the execution 12 is similar to the execution 1 but with a common basis supporting both the fan and the motor.

The fans are produced by the manufacturer Maico Italia with two commercial brands: Dynair and Elicent. See below for the type code. For the detailed characteristics refer to the technical book.

| Dynair | Elicent |
|--------|---------|
| PQL    | -       |
| PRL    | -       |
| PSL    | PF      |
| PVL    | HT      |
| PZL    | -       |
| PNL    | -       |
| PTL    | -       |
| PUL    | -       |
| PXL    | -       |
| PYL    | -       |
| PLL    | -       |
| PBL    | -       |
| PCL    | -       |
| PDL    | -       |

Technical data

|   |                         |
|---|-------------------------|
| Permissible range of ambient resp. process pressure | 0.8 to 1.1 bar absolute |
| Ambient temperature                                 | -20 °C to +40 °C        |
| Maximum peripheral blade speed                      | 70 m/s                  |

|   |                                    |
|---|------------------------------------|
| Temperature of the process fluid inside the fan | Temperature class of the equipment |
| -20 °C to +55 °C                                | T3; T 200°C                        |
| -20 °C to +135 °C                               | T2; T 300°C                        |

(16) Test documents are listed in the test report No. 14 214 139959.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones