

(1) **STATEMENT OF CONFORMITY**

TÜV NORD

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



(3) Statement of Conformity Number

TÜV 05 ATEX 2768 X

(4) Equipment: **Electric motor vibrator type MVE**

(5) Manufacturer: **O.L.I. S.r.l.**

(6) Address: **Via Canalazzo 35
I-41036 Medolla (MO)**

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

(8) The TÜV NORD CERT GmbH & Co. KG, TÜV CERT-Certification Body, notified body number N° 0032 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), 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 N° 05 YEX 322476.

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

EN 50 281-1-1:1998+A1

(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 3D T100°C resp T135°C

TÜV NORD CERT GmbH & Co. KG
Am TÜV 1
30519 Hannover
Tel.: +49 511 986-1470
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Head of the Certification Body

Hannover, 2005-03-17.

(13)

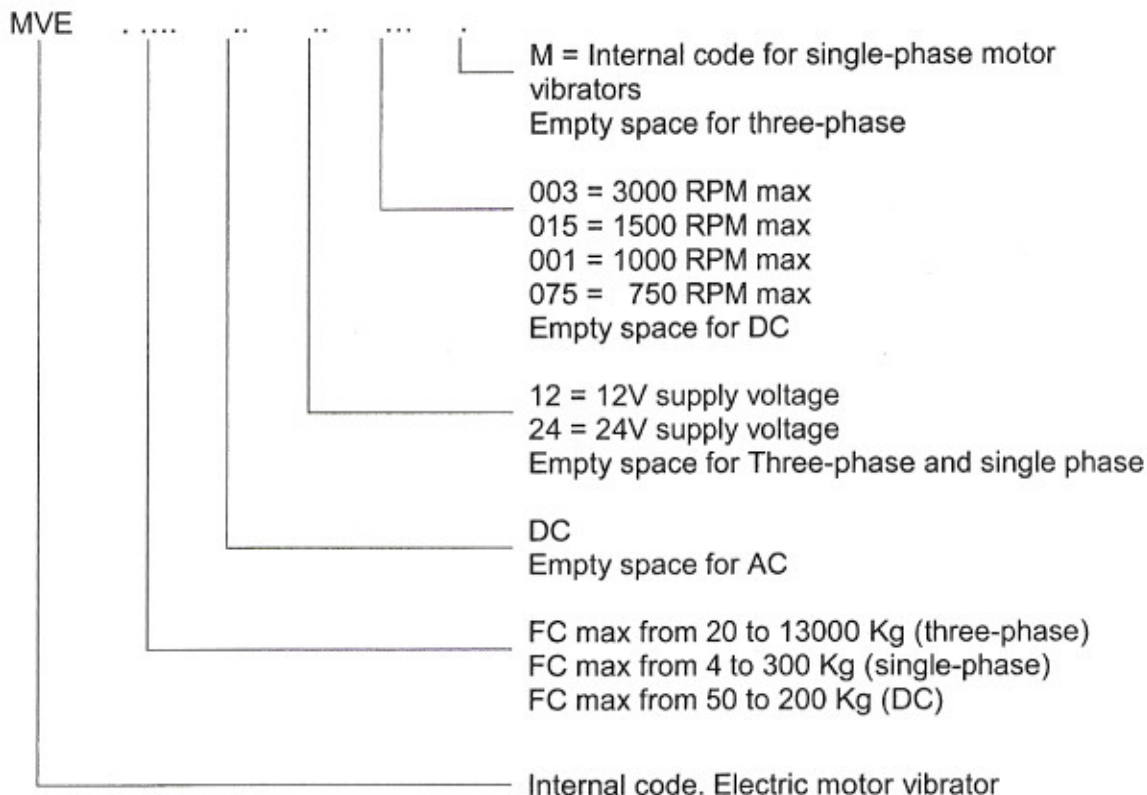
SCHEDULE

(14) **EC-TYPE EXAMINATION CERTIFICATE N° TÜV 05 ATEX 2768 X**

(15) Description of equipment

The electric motor vibrator is used in order to facilitate the flowing of dust materials through silos and/or similar applications. It can be also used for other applications where separation and/or homogenization of different material is needed. It is composed of an electric motor, an aluminium housing (cast iron for sizes higher than 50), two aluminium covers (steel for sizes from 60 to 90) and a steel shaft connected to eccentric masses.

Type code:



Technical data

	Mains application	Converter application
Ambient temperature range	-20°C to +40°C	
Maximum surface temperature	100°C for sizes 10 to 50; 135°C for sizes 60 to 90	
Shut-off temperature of the sensor	-	100°C for sizes 10 to 50 135°C for sizes 60 to 90
Maximum current	17 A (50 Hz); 18 A (60 Hz)	
Maximum power	10 kW	
Maximum voltage	460 V	600 V
Centrifugal force range (FC)	4 to 13000 kg	

(16) Test documents are listed in the test report N° 05 YEX 322476.

(17) Special conditions for safe use

Use supply cables and cable entries suitable for 80°C from size 10 to 50. Use supply cables and cable entries suitable for 110°C from size 60 to 90. In order to identify the different sizes in relation to the type code a proper table is given in the user manual.

If used with a variable frequency converter the electric motor vibrator must be equipped with thermo sensors embedded in the windings. Shut-off temperature parameters are given in the technical data table.

The maximum surface temperature has been calculated without taking into account a dust layer on the equipment and a safety distance.

(18) Essential Health and Safety Requirements

no additional ones