

# EU-DECLARATION OF CONFORMITY



**Manufacturer:** FRIEDRICH Schwingtechnik GmbH, Am Höfgen 24, D - 42781 Haan  
**Distributor:** FRIEDRICH Schwingtechnik GmbH, Am Höfgen 24, D - 42781 Haan



We herewith declare that the:

**FRIEDRICH – vibrator motor series FE ...-...  
Serial-No.: .....**

in its design and type as well as by us sold execution is in conformity with the following European Directive:

1. 2014/34/EU - DIRECTIVE 2014/34/EU OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF 26 FEBRUARY 2014 ON THE HARMONISATION OF THE LAWS OF THE MEMBER STATES RELATING TO EQUIPMENT AND PROTECTIVE SYSTEMS INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES (recast)

The following harmonized standards have been used::

-IEC 60079-0	<i>Electrical apparatus for explosive atmospheres- General requirements</i>
-IEC 60079-15	<i>Electrical apparatus for explosive atmospheres- Equipment protection by type protection "n"</i>
-IEC 60079-31	<i>Electrical apparatus for explosive atmospheres- Equipment dust ignition protection by enclosure "t"</i>
-IEC 60034-5	<i>Rotating electrical machines part 5: Degrees of protection provided by integral design of rotating electrical machines</i>

The named product is intended for fitting in another machine. Commissioning is prohibited until such time as the end product has been proved to conform to the provisions of Directive 2006/42/EC.

Frequency converter operation: the above designated motors for areas with combustible dust Group II, Category 3GD (Zone 22) Temperature class 120° are allowed exclusively together with a Frequency converter of the manufacturer Loher Type line Dynavert T

and can be pursued in accordance with the installation regulations DIN EN 60079-14 (VDE 0165-1) :

- in a frequency response of 25Hz to maximum frequency up to the type plate given maximum frequency
- if built-in PTC thermistor are used in connection with a tipping device certified by a named Authority
- the voltage peaks arising in the system converter-cable-electrical machinery do not exceed twice the value of the link voltage (<2kV)

The nominal data and other data given on the type plate are related to the nominal operation (no converter feeding) and are only reference purposes for the converter feeding.

The used thermal winding protection is designated on the type plate.

The DECLARATION OF CONFORMITY expires by misapplication as well as by engineering change which was not confirmed by us as the manufacturer in writing.

The safety instructions provided in the product manual must be observed.

This Declaration does not give assurance of properties within the meaning of product liability.