



**Category: II 2 D**

**Level of protection: tD A21 IP66**

**EC [Certificate](#) : LCIE 05 ATEX 6163 X**

**Temperature class: see technical details**

**Areas of use: 21, 22**

The MVSI series represents the line of reference products for manufacturer's of vibrating machines and plants operating in many industrial sectors and is made up of the largest range on the market, with centrifugal force values up to 30500 Kgf (300kN).

The MVSI series has been conceived to guarantee higher performance in all conditions and environments and complies with the most recent IEC and EN international standards for use in atmospheres with potentially explosive powders. In particular, the MVSI series can be used in areas 21 and 22.

### **General features**

### **Power supply**

Three-phase voltage from 24V to 690V, 50Hz or 60Hz or single-phase 100-130V, 60Hz and 200-240V, 50Hz (single-phase types are supplied without capacitor); suitable for use with an inverter from 20Hz to the base frequency with constant torque load profile.

### **Polarity**

2, 4, 6 and 8 standard poles, 10 and 12 poles on request.

### **Functioning**

Continual service (S1) at maximum declared centrifugal force and electric power.

### **Centrifugal force**

Range extended up to 30500 Kgf.

(300 kN).

**Insulation class**

Class F (155°C), class H (180°C) on request.

**Electric motor**

Three-phase asynchronous type. Insulated windings using vacuum encapsulating up to size 35; using the “drop by drop” trickle system with class H resin for larger sizes. Rotor is die cast aluminium.

**Downloads**



[Catalog](#)



[Manual](#)



[Technical details](#)



[2 poles - 3000/3600 rpm](#)



[4 poles - 1500/1800 rpm](#)



[6 poles - 1000/1200 rpm](#)



[8 poles - 750/900 rpm](#)