



The MVSI-E series has been designed for use in industrial processes in environments with a potentially explosive atmosphere, due to the presence of explosive gas and dust, in compliance with ATEX Directive (94/9/CE).

In particular, the MVSI-E series can be used in areas 1 and 2 (gas) and in areas 21 and 22 (dusts) according to the layout and following features:

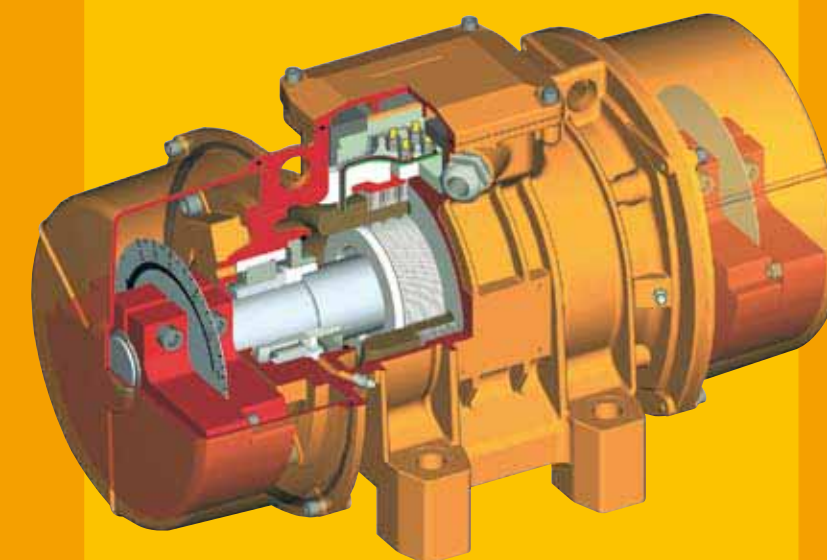
Category: II 2 G, D

Level of protection: Ex e II, tD A21 IP66

Temperature class:
Gas: T3 (200°C) or T4 (135°C)
Dusts: see tab. page 36-43

EC certificate: LCIE 06 ATEX

Areas of use: 1, 2, 21, 22



Technical features

Power supply

Three-phase voltage from 220V to 690V, 50Hz or 60Hz; suitable for use with an inverter from 20Hz to the base frequency with constant torque load profile.

Polarity

2, 4, 6 and 8 poles.

Conformity with European Directives

ATEX 94/9/CE; Electromagnetic Compatibility 89/336/CE.

Reference Regulations

IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0, IEC/EN 61241-1, EN 60034-1, EN 50081-1, EN 50081-2, EN 50082-1, EN 50082-2.

Controls

The components that affect protection are 100% accurately controlled and recorded. The vibrators undergo 100% dynamic tests on the bench.

Functioning

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

Centrifugal force

Range extended up to 9700 Kgf. (95 KN), adjustable in a continuous linear mode with variation of the position of the eccentric weight.

Mechanical protection

IP 66 according to IEC 529, EN 60529.

Shock-proof protection

IK 08 according to IEC 68, EN 50102.

Insulation class

Class F (155°C).

Tropicalization

Standard on all vibrators, with vacuum impregnation up to size AF 33 and 35, with "drop by drop" trickle system for larger sizes.

Environmental temperature

From -10°C to +40°C, on request it is possible to have vibrators for max. environmental temperatures of 55°C. On request special greases for temperatures lower than -10°C.

Vibrator heat protection

Standard PTC rated thermistor heat detectors 130°C (DIN 44081-44082) from size 70, on request for smaller sizes. On request, thermistors with different temperatures and anti-condensation heaters.

Fixing of the vibrator

In all positions and therefore without restriction.

Lubrication

All vibrators are lubricated in the factory and do not require further lubrication if used in normal operating conditions. In heavy duty operating conditions periodical re-lubrication may be applied to size 35 and larger.

Terminal box

Large fixed electrical connections. Special shaped terminals allow to fix the power supply cable, protecting it from loosening.

Electric motor

Three-phase asynchronous type. Designed for maximum starting torques and torque curves specific to requirements of vibrating machines. Insulated windings using vacuum encapsulating up to size 35; using the "drop by drop" trickle system with class H resin for larger sizes. The rotor is die cast aluminium.

Casing

In high-tensile aluminium alloy up to size 35, in ductile cast iron for larger sizes. Patented shape that improves heat dispersion and lowers normal working temperature at full load. An external earthing screw is located on the casing as prescribed by Regulation IEC/EN 60079-0.

Bearing flange

Constructed in cast iron (ductile or grey) or in aluminium with steel bearing seat. The geometry of the flange transmits the load to the casing uniformly.

Bearings

Custom made with particular geometry, especially designed for Italtvibras, suitable to support both high radial and axial loads.

Motor shaft

In treated steel alloy (Isothermic hardening) resistant to stress.

Eccentric weights

Allow continual adjustment of the centrifugal force. This adjustment is realized by a graduated scale, which expresses the centrifugal force as a percentage of the maximum centrifugal force. A patented system (patent N°MO98A000194), called ARS, prevents adjustment errors.

Weight covers

In aluminium alloy.

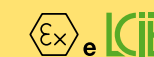
Painting

Electrostatic surface treatment based on polymerised epoxy polyester powder in oven at 200°C. Tested in salt spray for 500 hours.

Other features

The MVSI-E series is equipped with special cable holders in compliance with ATEX Ex e II Regulations and is characterized by two brass plates.

Certifications



II 2 G, D – Class Ex e II T4/T3 tD A21 IP 66.
IEC/EN 60079-0, IEC/EN 60079-7,
IEC/EN 61241-0, IEC/EN 61241-1.
Certificate n° LCIE 06 ATEX

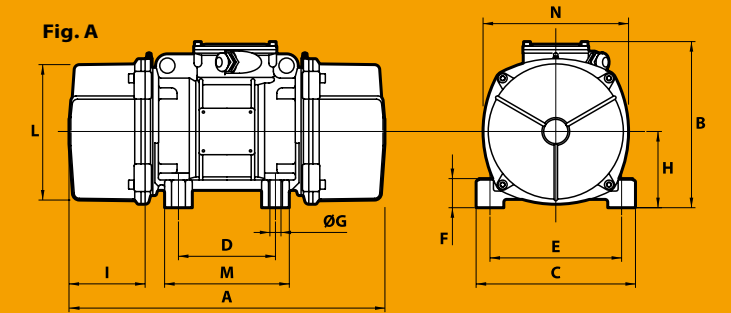


GGTN Permit and Gost-R certificate for increased safety Ex e:
GOST R 51330.0-99,
GOST R 51330.8-99, GOST R IEC 61241-1-1-99.



Comply with the applicable European Union directives

2 poles - 3000/3600 rpm

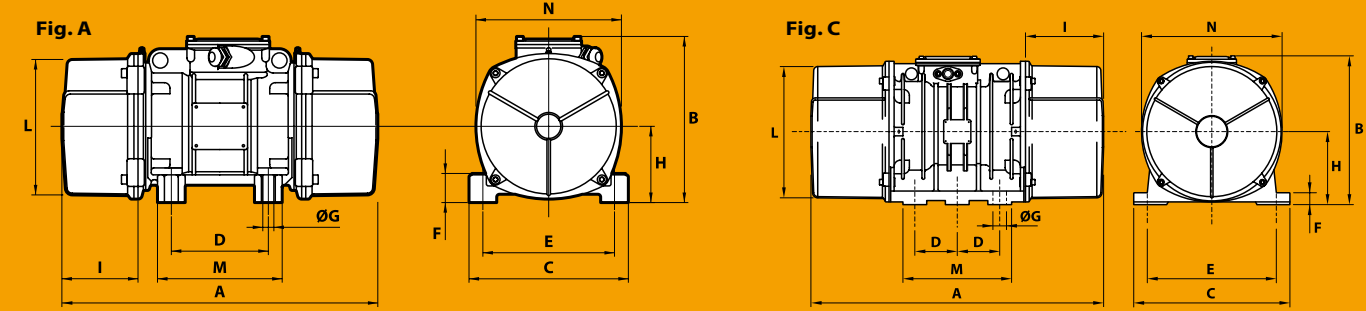


| | Description | | | Mechanical specifications | | | | | | | | Electrical specifications | | | | | | | | Type | Dimensional specifications (mm) | | | | | | | | | | | | | | | | |
|-------------|-------------|-------------------|------|---------------------------|-------|-------------------|-------|-------|-------|--------------|-------|---------------------------|-----------------|----------------------|-------------|-------------------|----------------|-------------------|----------------|----------|---------------------------------|--------------------------------|------|-----|-------|-----|---------|-----|-------|----|----|-------|------|-----|-----|-----|--------------------|
| | Code | Type | SIZE | Static moment* kgmm | | Centrifugal force | | | | Weight kg | | Temp. class (G) | Temp. class (D) | Max input power W | | Power rating W | | Max. current A | | | t _E (s) | I _a /I _n | Fig. | A | B | C | D | E | Holes | | F | H | I | L | M | N | Cable entry thread |
| | | | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | 50 Hz | 60 Hz | 400 V 50 Hz | 460 V 60 Hz | 400 V 50 Hz | 460 V 60 Hz | | | | | | | | | | øG | N* | | | | | | | |
| three-phase | 6E0311 | MVSI 3/100E-S02 ▲ | 00 | 12.0 | 12.0 | 121 | 174 | 1.19 | 1.71 | 5.60 | 5.60 | T3 T4 | 120°C | 180 105 | 180 105 | 120 80 | 120 80 | 0.33 0.26 | 0.30 0.23 | 30 20 | 2.68 3.48 | MVSI 3/100E-S02 ▲ | A | 211 | 153 | 125 | 62-74** | 106 | 9 | 4 | 24 | 61 | 46 | 103 | 100 | 117 | M20x1,5 |
| | 6E0312 | MVSI 3/200E-S02 ▲ | 01 | 21.0 | 15.0 | 211 | 218 | 2.07 | 2.14 | 6.40 | 6.20 | T3 | 120°C | 180 | 180 | 120 | 120 | 0.33 | 0.30 | 30 | 2.68 | MVSI 3/200E-S02 ▲ | A | 235 | 153 | 125 | 62-74** | 106 | 9 | 4 | 24 | 61 | 58 | 103 | 100 | 117 | M20x1,5 |
| | 6E0313 | MVSI 3/300E-S02 | 10 | 30.1 | 20.4 | 304 | 297 | 2.98 | 2.91 | 9.70 | 9.20 | T3 T4 | 120°C | 260 230 | 270 230 | 210 172 | 210 172 | 0.57 0.48 | 0.50 0.41 | 18 12 | 3.50 4.20 | MVSI 3/300E-S02 | A | 255 | 179 | 152 | 90 | 125 | 13 | 4 | 28 | 73 | 54 | 127 | 128 | 141 | M20x1,5 |
| | 6E0314 | MVSI 3/500E-S02 | 20 | 49.9 | 32.4 | 503 | 471 | 4.93 | 4.62 | 14.8 | 13.8 | T3 T4 | 120°C | 500 350 | 500 360 | 300 210 | 300 210 | 0.76 0.57 | 0.67 0.50 | 12 8 | 4.20 5.60 | MVSI 3/500E-S02 | A | 288 | 203 | 167 | 105 | 140 | 13 | 4 | 30 | 82.5 | 65 | 145 | 140 | 160 | M25x1,5 |
| | 6E0382 | MVSI 3/800E-S02 | 30 | 78.0 | 52.0 | 785 | 754 | 7.70 | 7.40 | 16.8 | 15.9 | T3 T4 | 120°C | 550 390 | 570 400 | 405 290 | 405 290 | 0.95 0.72 | 0.83 0.64 | 12 8 | 4.20 5.52 | MVSI 3/800E-S02 | A | 308 | 216 | 205 | 120 | 170 | 17 | 4 | 45 | 93.5 | 63 | 170 | 160 | 182 | M25x1,5 |
| | 6E0222 | MVSI 3/1100E-S90 | 35 | 110 | 73.0 | 1105 | 1061 | 10.8 | 10.4 | 23.0 | 22.0 | T3 T4 | 120°C | 550 460 | 600 500 | 350 290 | 350 290 | 0.86 0.76 | 0.75 0.67 | 15 11 | 3.88 4.37 | MVSI 3/1100E-S90 | A | 372 | 233 | 205 | 120 | 170 | 17 | 4 | 54 | 104.5 | 86 | 187 | 162 | 203 | M25x1,5 |
| | 6E0243 | MVSI 3/1310E-S90 | AF33 | 128 | 91.6 | 1290 | 1327 | 12.7 | 13.0 | 31.0 | 29.7 | T4 | 200°C | 700 | 750 | 500 | 500 | 1.24 | 1.07 | 6 | 6.40 | MVSI 3/1310E-S90 | A | 355 | 213.5 | 215 | 100 | 180 | 17 | 4 | 47 | 92.5 | 81.5 | 164 | 140 | 179 | M25x1,5 |
| | 6E0254 | MVSI 3/1510E-S90 | AF50 | 153 | 102 | 1545 | 1483 | 15.2 | 14.5 | 39.5 | 38.0 | T3 T4 | 200°C | 1010 830 | 1070 910 | 720 660 | 720 660 | 1.62 1.43 | 1.40 1.25 | 6 6 | 9.29 7.30 | MVSI 3/1510E-S90 | A | 430 | 230 | 230 | 140 | 190 | 17 | 4 | 49 | 104 | 87.5 | 186 | 180 | 200 | M25x1,5 |
| | 6E0255 | MVSI 3/1810E-S90 | AF50 | 179 | 128 | 1802 | 1853 | 17.7 | 18.2 | 40.5 | 39.0 | T3 | 200°C | 1010 | 1070 | 720 | 720 | 1.62 | 1.40 | 6 | 9.29 | MVSI 3/1810E-S90 | A | 430 | 230 | 230 | 140 | 190 | 17 | 4 | 49 | 104 | 87.5 | 186 | 180 | 200 | M25x1,5 |
| | 6E0256 | MVSI 3/2010E-S90 | AF50 | 205 | 128 | 2059 | 1853 | 20.2 | 18.2 | 48.7 | 46.3 | T3 | 200°C | 1110 | 1150 | 960 | 960 | 1.90 | 1.66 | 7 | 5.90 | MVSI 3/2010E-S90 | A | 465 | 230 | 230 | 140 | 190 | 17 | 4 | 49 | 104 | 105 | 186 | 180 | 200 | M25x1,5 |
| | 6E0257 | MVSI 3/2310E-S90 | AF50 | 230 | 153 | 2316 | 2224 | 22.7 | 21.8 | 49.6 | 47.1 | T3 | 200°C | 1110 | 1150 | 960 | 960 | 1.90 | 1.66 | 7 | 5.90 | MVSI 3/2310E-S90 | A | 465 | 230 | 230 | 140 | 190 | 17 | 4 | 49 | 104 | 105 | 186 | 180 | 200 | M25x1,5 |
| | 6E0200 | MVSI 3/5010E-S90 | AF70 | 515 | 344 | 5187 | 4979 | 50.9 | 48.8 | 109 | 105 | T3 | 135°C | 3000 | 3000 | 2600 | 2600 | 4.75 | 4.20 | 5 | 8.00 | MVSI 3/5010E-S90 | A | 558 | 304 | 310 | 155 | 255 | 25 | 4 | 90 | 130 | 108 | 233 | 210 | 248 | M32x1,5 |

* Working moment = 2 x static moment. ** Slot. ▲ Available only in versions 127/220V 50Hz three-phase, 200/346V 60Hz three-phase and 210/363V 60Hz three-phase.

t_E (s) = set time t_E from IEC/EN 60079-7. I_a/I_n = ratio between start-up current and maximum current.

4 poles - 1500/1800 rpm

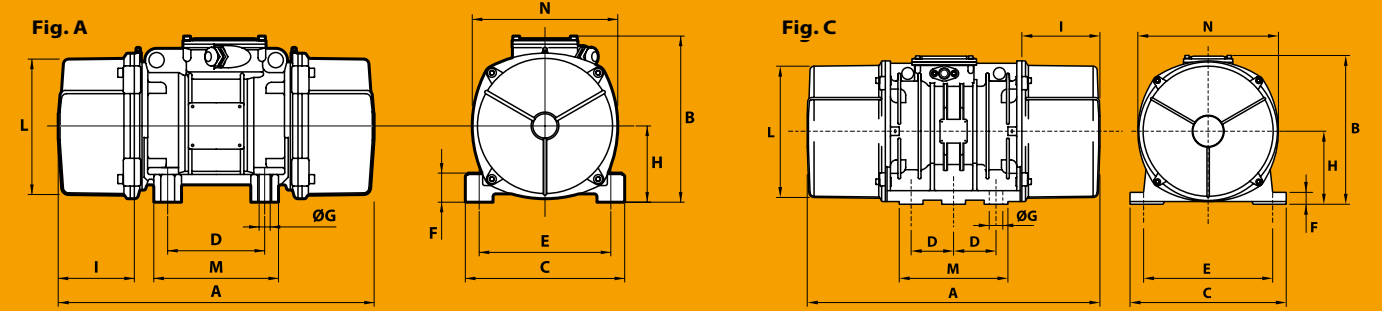


| | Description | | | Mechanical specifications | | | | | | | | Electrical specifications | | | | | | | | Type | Dimensional specifications (mm) | | | | | | | | | | | | | | | | |
|-------------|-------------|-------------------|------|---------------------------|-------|-------------------|-------|-------|-------|--------------|-------|---------------------------|-----------------|----------------------|--------------|-------------------|----------------|-------------------|----------------|------------|---------------------------------|--------------------------------|------|--------------------------|-----|-----|-----|-----|----------------|----------------|----|-------|--------------------------|-----|-----|-----|--------------------|
| | Code | Type | SIZE | Static moment* kgmm | | Centrifugal force | | | | Weight kg | | Temp. class (G) | Temp. class (D) | Max input power W | | Power rating W | | Max. current A | | | t _E (s) | I _a /I _n | Fig. | A | B | C | D | E | Holes | | | | I | L | M | N | Cable entry thread |
| | | | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | 50 Hz | 60 Hz | 400 V 50 Hz | 460 V 60 Hz | 400 V 50 Hz | 460 V 60 Hz | | | | | | | | | | 400 V 50 Hz | 460 V 60 Hz | øG | N° | | | | | |
| three-phase | 6E1367 | MVSI 15/200E-S02 | 10 | 84.2 | 58.8 | 213 | 214 | 2.09 | 2.10 | 12.5 | 11.7 | T4 | 120°C | 170 | 175 | 94 | 95 | 0.39 | 0.40 | 28 | 2.34 | MVSI 15/200E-S02 | A | 301 | 179 | 152 | 90 | 125 | 13 | 4 | 28 | 73 | 77 | 127 | 128 | 141 | M20x1,5 |
| | 6E1372 | MVSI 15/400E-S02 | 20 | 163 | 113 | 412 | 411 | 4.04 | 4.03 | 19.0 | 18.2 | T3 T4 | 120°C | 300 285 | 320 270 | 200 180 | 230 200 | 0.57 0.52 | 0.52 0.46 | 18 16 | 3.33 3.63 | MVSI 15/400E-S02 | A | 344 | 203 | 167 | 105 | 140 | 13 | 4 | 30 | 82.5 | 93 | 145 | 140 | 160 | M25x1,5 |
| | 6E1373 | MVSI 15/550E-S02 | 20 | 219 | 163 | 552 | 592 | 5.42 | 5.81 | 20.4 | 19.0 | T3 T4 | 120°C | 300 285 | 320 270 | 200 180 | 230 200 | 0.57 0.52 | 0.52 0.46 | 18 16 | 3.33 3.63 | MVSI 15/550E-S02 | A | 386 | 203 | 167 | 105 | 140 | 13 | 4 | 30 | 82.5 | 114 | 145 | 140 | 160 | M25x1,5 |
| | 6E1408 | MVSI 15/700E-S02 | 30 | 286 | 209 | 720 | 760 | 7.06 | 7.46 | 23.5 | 22.2 | T3 T4 | 120°C | 460 360 | 500 420 | 310 240 | 380 310 | 0.86 0.72 | 0.85 0.70 | 17 12 | 3.5 4.2 | MVSI 15/700E-S02 | A | 394 | 216 | 205 | 120 | 170 | 17 | 4 | 45 | 93.5 | 106 | 170 | 160 | 182 | M25x1,5 |
| | 6E1201 | MVSI 15/1100E-S90 | 35 | 415 | 271 | 1045 | 982 | 10.3 | 9.63 | 35.0 | 30.5 | T4 | 120°C | 370 | 450 | 285 | 340 | 0.81 | 0.83 | 13 | 4 | MVSI 15/1100E-S90 | A | 435 | 233 | 205 | 120 | 170 | 17 | 4 | 54 | 104.5 | 117.5 | 187 | 162 | 203 | M25x1,5 |
| | 6E1217 | MVSI 15/1410E-S90 | 40 | 561 | 400 | 1413 | 1449 | 13.9 | 14.2 | 53.0 | 50.0 | T3 T4 | 120°C | 900 630 | 950 700 | 660 460 | 730 505 | 1.38 1.05 | 1.32 1.00 | 13 8 | 4 5.36 | MVSI 15/1410E-S90 | A | 448 | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 108 | 210 | 180 | 225 | M25x1,5 |
| | 6E1219 | MVSI 15/1710E-S90 | 50 | 715 | 485 | 1798 | 1757 | 17.6 | 17.2 | 57.0 | 54.5 | T3 T4 | 150°C | 1100 630 | 1150 700 | 730 480 | 800 530 | 1.90 1.33 | 1.82 1.27 | 9 5.5 | 4.95 7 | MVSI 15/1710E-S90 | A | 500 | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 134 | 210 | 180 | 225 | M25x1,5 |
| | 6E1267 | MVSI 15/2000E-S90 | 50 | 817 | 561 | 2054 | 2033 | 20.1 | 19.9 | 61.5 | 57.5 | T3 T4 | 170°C | 1100 630 | 1150 700 | 730 480 | 800 530 | 1.90 1.33 | 1.82 1.27 | 9 5.5 | 4.95 7 | MVSI 15/2000E-S90 | A | 568 | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 168 | 210 | 180 | 225 | M25x1,5 |
| | 6E1220 | MVSI 15/2410E-S02 | 60 | 962 | 674 | 2420 | 2444 | 23.7 | 24.0 | 81.0 | 76.0 | T3 T4 | 150°C | 1600 1150 | 1700 1250 | 1340 880 | 1470 970 | 3.04 2.47 | 3.20 2.30 | 7 5.5 | 6 7.5 | MVSI 15/2410E-S02 | A | 537 | 278 | 275 | 155 | 225 | 22 | 4 | 70 | 135 | 137 | 238 | 205 | 253 | M25x1,5 |
| | 6E1268 | MVSI 15/3000E-S02 | 60 | 1235 | 858 | 3106 | 3107 | 30.5 | 30.5 | 90.0 | 83.5 | T3 T4 | 135°C | 1280 1150 | 1550 1400 | 1000 900 | 1200 1080 | 3.14 2.85 | 3.10 2.85 | 5.5 5.5 | 7.42 8.16 | MVSI 15/3000E-S02 | A | 617 | 278 | 275 | 155 | 225 | 22 | 4 | 70 | 135 | 177 | 238 | 205 | 253 | M25x1,5 |
| | 6E1221 | MVSI 15/3810E-S02 | 70 | 1526 | 1034 | 3840 | 3744 | 37.7 | 36.7 | 119 | 110 | T3 T4 | 135°C | 2200 1850 | 2400 1950 | 1780 1500 | 1960 1650 | 3.71 3.14 | 3.50 3.00 | 6 6 | 7.17 8.42 | MVSI 15/3810E-S02 | A | 584 | 321 | 310 | 155 | 255 | 23.5 | 4 | 77 | 157 | 137 | 280 | 215 | 295 | M25x1,5 |
| | 6E1269 | MVSI 15/4300E-S02 | 70 | 1720 | 1173 | 4326 | 4250 | 42.4 | 41.7 | 123 | 117 | T3 T4 | 135°C | 2200 1850 | 2400 1950 | 1780 1500 | 1960 1650 | 3.71 3.14 | 3.50 3.00 | 6 6 | 7.17 8.42 | MVSI 15/4300E-S02 | A | 666 (50Hz) 584 (60Hz) | 321 | 310 | 155 | 255 | 23.5 | 4 | 77 | 157 | 178 (50Hz) 137 (60Hz) | 280 | 215 | 295 | M25x1,5 |
| | 6E1211 | MVSI 15/5010E-S02 | 80 | 1990 | 1364 | 5007 | 4911 | 49.1 | 48.5 | 161 | 153 | T3 | 135°C | 3200 | 3700 | 2560 | 2800 | 5.70 | 5.45 | 6 | 7 | MVSI 15/5010E-S02 | A | 630 | 347 | 340 | 180 | 280 | 26 | 4 | 80 | 165 | 150 | 303 | 240 | 320 | M32x1,5 |
| | 6E1204 | MVSI 15/9500E-S02 | 97 | 3346 | 2462 | 8416 | 8916 | 82.6 | 87.5 | 317 | 303 | T3 | 135°C | 7300 | 7900 | 5925 | 6500 | 11.6 | 11.0 | 5.5 | 7 | MVSI 15/9500E-S02 | C | 862 | 437 | 460 | 125 | 380 | 38 | 6 | 35 | 215 | 230 | 387 | 320 | 414 | M32x1,5 |

* Working moment = 2 x static moment.

t_E (s) = set time t_E from IEC/EN 60079-7. I_a/I_n = ratio between start-up current and maximum current.

6 poles - 1000/1200 rpm

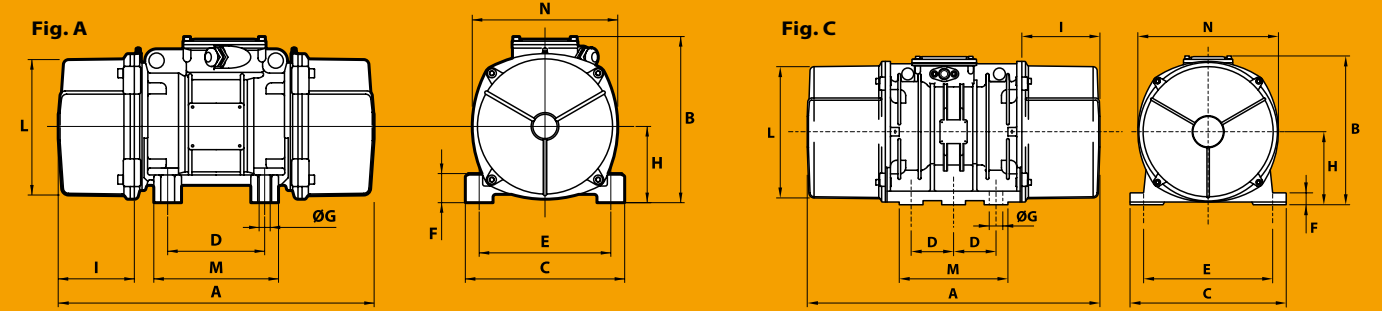


| | Description | | | Mechanical specifications | | | | | | Electrical specifications | | | | | | Dimensional specifications (mm) | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------------|--------------------|------|---------------------------|-------|-------------------|-------|-------|-------|---------------------------|-------|-----------------|-----------------|----------------------|--------------|---------------------------------|----------------|-------------------|----------------|----------|--------------|--------------------|------|--------------------------|-----|-----|-----|-----|----------------|----------------|----|-------|--------------------------|-----|-----|-----|--------------------|
| | Code | Type | SIZE | Static moment* kgmm | | Centrifugal force | | | | Weight kg | | Temp. class (G) | Temp. class (D) | Max input power W | | Power rating W | | Max. current A | | tE (s) | Ia/In | Type | Fig. | A | B | C | D | E | Holes | | | | I | L | M | N | Cable entry thread |
| | | | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | 50 Hz | 60 Hz | 400 V 50 Hz | 460 V 60 Hz | 400 V 50 Hz | 460 V 60 Hz | | | | | | | | | | 400 V 50 Hz | 460 V 60 Hz | øG | N° | | | | | |
| three-phase | 6E2298 | MVSI 10/200E-S02 | 20 | 163 | 163 | 183 | 264 | 1.80 | 2.59 | 19.0 | 19.0 | T4 | 120°C | 185 | 200 | 100 | 110 | 0.48 | 0.45 | 25 | 2.72 | MVSI 10/200E-S02 | A | 344 | 203 | 167 | 105 | 140 | 13 | 4 | 30 | 82.5 | 93 | 145 | 140 | 160 | M25x1,5 |
| | 6E2314 | MVSI 10/310E-S02 | 30 | 286 | 209 | 321 | 338 | 3.15 | 3.32 | 23.5 | 22.2 | T4 | 120°C | 320 | 350 | 201 | 221 | 0.67 | 0.65 | 25 | 2.81 | MVSI 10/310E-S02 | A | 394 | 216 | 205 | 120 | 170 | 17 | 4 | 45 | 93.5 | 106 | 170 | 160 | 182 | M25x1,5 |
| | 6E2150 | MVSI 10/550E-S90 | 35 | 457 | 457 | 512 | 737 | 5.02 | 7.23 | 36.5 | 36.5 | T4 | 120°C | 350 | 380 | 240 | 264 | 0.71 | 0.68 | 26 | 2.40 | MVSI 10/550E-S90 | A | 435 | 233 | 205 | 120 | 170 | 17 | 4 | 54 | 104.5 | 117.5 | 187 | 162 | 203 | M25x1,5 |
| | 6E2161 | MVSI 10/810E-S90 | 40 | 723 | 561 | 809 | 905 | 7.94 | 8.88 | 54.0 | 50.0 | T3 T4 | 135°C | 680 500 | 730 540 | 448 290 | 490 320 | 1.33 1.05 | 1.27 1.00 | 25 17 | 2.78 3.54 | MVSI 10/810E-S90 | A | 500 (50Hz) 448 (60Hz) | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 134 (50Hz) 108 (60Hz) | 210 | 180 | 225 | M25x1,5 |
| | 6E2162 | MVSI 10/1110E-S90 | 50 | 1012 | 715 | 1132 | 1151 | 11.1 | 11.3 | 64.0 | 57.0 | T3 T4 | 135°C | 750 480 | 690 500 | 550 300 | 550 300 | 1.57 1.24 | 1.36 1.00 | 19 13 | 3.33 4.23 | MVSI 10/1110E-S90 | A | 568 (50Hz) 500 (60Hz) | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 168 (50Hz) 134 (60Hz) | 210 | 180 | 225 | M25x1,5 |
| | 6E2228 | MVSI 10/1400E-S90 | 50 | 1274 | 904 | 1424 | 1483 | 14.0 | 14.5 | 78.0 | 71.0 | T3 T4 | 170°C | 750 480 | 690 500 | 550 300 | 550 300 | 1.57 1.24 | 1.36 1.00 | 19 13 | 3.33 4.23 | MVSI 10/1400E-S90 | A | 568 | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 168 | 210 | 180 | 225 | M25x1,5 |
| | 6E2165 | MVSI 10/1610E-S02 | 60 | 1464 | 962 | 1638 | 1549 | 16.1 | 15.2 | 93.0 | 81.0 | T3 T4 | 135°C | 1100 850 | 1200 950 | 825 615 | 900 675 | 2.09 1.81 | 2.00 1.70 | 15 10 | 3.63 4.73 | MVSI 10/1610E-S02 | A | 617 (50Hz) 537 (60Hz) | 278 | 275 | 155 | 225 | 22 | 4 | 70 | 135 | 177 (50Hz) 137 (60Hz) | 238 | 205 | 253 | M25x1,5 |
| | 6E2229 | MVSI 10/2100E-S02 | 60 | 1927 | 1318 | 2154 | 2102 | 21.1 | 20.6 | 105 | 92.0 | T3 T4 | 200°C | 1500 1050 | 1700 1200 | 940 750 | 1020 820 | 2.85 2.19 | 2.75 2.10 | 9 8 | 4.50 4.89 | MVSI 10/2100E-S02 | A | 617 (50Hz) 537 (60Hz) | 278 | 275 | 155 | 225 | 22 | 4 | 70 | 135 | 177 (50Hz) 137 (60Hz) | 238 | 205 | 253 | M25x1,5 |
| | 6E2167 | MVSI 10/2610E-S02 | 70 | 2326 | 1706 | 2601 | 2747 | 25.5 | 26.9 | 130 | 116 | T3 | 135°C | 1960 | 2100 | 1580 | 1700 | 3.90 | 3.70 | 8 | 5.31 | MVSI 10/2610E-S02 | A | 666 | 321 | 310 | 155 | 255 | 23.5 | 4 | 77 | 157 | 178 | 277 | 215 | 295 | M25x1,5 |
| | 6E2230 | MVSI 10/3000E-S02 | 70 | 2690 | 1940 | 3007 | 3124 | 29.5 | 30.6 | 145 | 130 | T3 T4 | 135°C | 2200 1770 | 2400 1900 | 1630 1350 | 1770 1470 | 4.28 3.71 | 4.30 3.60 | 8 5 | 4.82 5.56 | MVSI 10/3000E-S02 | A | 706 | 321 | 310 | 155 | 255 | 23.5 | 4 | 77 | 157 | 198 | 277 | 215 | 295 | M25x1,5 |
| | 6E2154 | MVSI 10/3810E-S02 | 80 | 3422 | 2380 | 3826 | 3831 | 37.5 | 37.6 | 188 | 170 | T3 T4 | 135°C | 2200 2000 | 2700 2200 | 1575 1500 | 1730 1650 | 4.85 4.28 | 4.60 4.00 | 7 6 | 5.88 6.66 | MVSI 10/3810E-S02 | A | 730 | 347 | 340 | 180 | 280 | 26 | 4 | 80 | 165 | 200 | 303 | 240 | 320 | M32x1,5 |
| | 6E2204 | MVSI 10/4700E-S02 | 80 | 4206 | 2887 | 4701 | 4648 | 46.1 | 46.0 | 204 | 183 | T3 T4 | 135°C | 3100 2550 | 3500 3000 | 2500 2100 | 2770 2290 | 6.18 5.42 | 6.00 5.20 | 10 6 | 5.23 5.96 | MVSI 10/4700E-S02 | A | 796 | 347 | 340 | 180 | 280 | 26 | 4 | 80 | 165 | 233 | 303 | 240 | 320 | M32x1,5 |
| | 6E2138 | MVSI 10/5200E-S02 | 90 | 4658 | 3288 | 5208 | 5293 | 51.1 | 51.9 | 238 | 215 | T3 | 135°C | 3500 | 3650 | 2590 | 2700 | 6.65 | 6.10 | 10 | 4.64 | MVSI 10/5200E-S02 | A | 740 | 370 | 390 | 200 | 320 | 28 | 4 | 90 | 180 | 190 | 330 | 270 | 350 | M32x1,5 |
| | 6E2136 | MVSI 10/6600E-S02 | 97 | 6083 | 3979 | 6799 | 6405 | 66.7 | 62.8 | 285 | 257 | T3 | 135°C | 4200 | 4800 | 3360 | 3550 | 7.60 | 7.00 | 5.3 | 6.67 | MVSI 10/6600E-S02 | C | 750 | 437 | 460 | 125 | 380 | 38 | 6 | 35 | 215 | 174 | 387 | 320 | 414 | M32x1,5 |
| | 6E2137 | MVSI 10/10000E-S02 | 97 | 8673 | 5664 | 9695 | 9117 | 95.1 | 89.4 | 381 | 340 | T3 | 135°C | 5400 | 5900 | 4500 | 4800 | 9.98 | 9.10 | 7 | 6.00 | MVSI 10/10000E-S02 | C | 862 | 437 | 460 | 125 | 380 | 38 | 6 | 35 | 215 | 230 | 387 | 320 | 414 | M32x1,5 |

* Working moment = 2 x static moment.

tE (s) = set time tE from IEC/EN 60079-7. Ia/In = ratio between start-up current and maximum current.

8 poles - 750/900 rpm



| | Description | | | Mechanical specifications | | | | | | Electrical specifications | | | | | | Type | Dimensional specifications (mm) | | | | | | | | | | | | | | | | | | | | |
|-------------|-------------|---------------------|------|---------------------------|-------|-------------------|-------|-------|-------|---------------------------|-------|--------------------|--------------------|----------------------|------------|------------|---------------------------------|----------------|-------------------|----------------|--------------|---------------------|------|------|-----|-----|-----|-----|-------|----|----|-------|-------|-----|-----|-----|--------------------|
| | Code | Type | SIZE | Static moment* kgmm | | Centrifugal force | | | | Weight kg | | Temp. class (G) | Temp. class (D) | Max input power W | | | Power rating W | | Max. current A | | tE (s) | Ia/In | Fig. | A | B | C | D | E | Holes | | F | H | I | L | M | N | Cable entry thread |
| | | | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | | | 50 Hz | 60 Hz | | 400 V 50 Hz | 460 V 60 Hz | 400 V 50 Hz | 460 V 60 Hz | | | | | | | | | øG | N° | | | | | | | |
| three-phase | 6E2568 | MVSI 075/150E-S02 | 20 | 163 | 163 | 104 | 149 | 1.02 | 1.46 | 19.0 | 19.0 | T3 | 130°C | 230 | 250 | 100 | 110 | 0.67 | 0.64 | 25 | 2.00 | MVSI 075/150E-S02 | A | 344 | 203 | 167 | 105 | 140 | 13 | 4 | 30 | 82.5 | 93 | 145 | 140 | 160 | M25x1,5 |
| | 6E2575 | MVSI 075/250E-S02 | 30 | 286 | 286 | 181 | 260 | 1.76 | 2.55 | 23.5 | 23.5 | T3 | 130°C | 350 | 350 | 190 | 205 | 0.86 | 0.80 | 25 | 2.47 | MVSI 075/250E-S02 | A | 394 | 216 | 205 | 120 | 170 | 17 | 4 | 45 | 93.5 | 106 | 170 | 160 | 182 | M25x1,5 |
| | 6E2865 | MVSI 075/400E-S90 | 35 | 457 | 457 | 288 | 415 | 2.83 | 4.07 | 36.5 | 36.5 | T4 | 120°C | 280 | 300 | 135 | 150 | 0.57 | 0.56 | 30 | 1.66 | MVSI 075/400E-S90 | A | 435 | 233 | 205 | 120 | 170 | 17 | 4 | 54 | 104.5 | 117.5 | 187 | 162 | 203 | M25x1,5 |
| | 6E2888 | MVSI 075/660E-S90 | 40 | 723 | 723 | 456 | 656 | 4.47 | 6.44 | 54.0 | 54.0 | T3 | 120°C | 500 | 525 | 275 | 302 | 1.14 | 1.10 | 30 | 2.15 | MVSI 075/660E-S90 | A | 500 | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 134 | 210 | 180 | 225 | M25x1,5 |
| | 6E2889 | MVSI 075/910E-S90 | 50 | 1012 | 1012 | 637 | 917 | 6.25 | 9.00 | 64.0 | 64.0 | T3 T4 | 120°C | 600 450 | 670 500 | 336 225 | 380 255 | 1.33 1.14 | 1.30 1.10 | 30 25 | 2.14 2.50 | MVSI 075/910E-S90 | A | 568 | 246 | 230 | 140 | 190 | 17 | 4 | 54 | 116 | 168 | 210 | 180 | 225 | M25x1,5 |
| | 6E2890 | MVSI 075/1310E-S02 | 60 | 1464 | 1464 | 922 | 1327 | 9.04 | 13.0 | 93.0 | 93.0 | T3 | 150°C | 950 | 1100 | 646 | 740 | 2.09 | 2.10 | 30 | 2.63 | MVSI 075/1310E-S02 | A | 617 | 278 | 275 | 155 | 225 | 22 | 4 | 70 | 135 | 177 | 238 | 205 | 253 | M25x1,5 |
| | 6E2891 | MVSI 075/2110E-S02 | 70 | 2326 | 2326 | 1463 | 2107 | 14.4 | 20.7 | 130 | 130 | T3 | 135°C | 1500 | 1650 | 1065 | 1225 | 3.61 | 3.60 | 15 | 4.18 | MVSI 075/2110E-S02 | A | 666 | 321 | 310 | 155 | 255 | 23.5 | 4 | 77 | 157 | 178 | 280 | 215 | 295 | M25x1,5 |
| | 6E2884 | MVSI 075/3110E-S02 | 80 | 3421 | 3421 | 2152 | 3099 | 21.1 | 30.4 | 188 | 188 | T3 | 135°C | 2000 | 2200 | 1460 | 1600 | 5.13 | 5.00 | 13 | 3.96 | MVSI 075/3110E-S02 | A | 734 | 347 | 340 | 180 | 280 | 26 | 4 | 80 | 165 | 202 | 303 | 240 | 320 | M32x1,5 |
| | 6E2515 | MVSI 075/3800E-S02 | 80 | 4206 | 4206 | 2645 | 3808 | 25.9 | 37.4 | 204 | 204 | T3 | 135°C | 2500 | 3000 | 1800 | 2100 | 5.70 | 6.00 | 14 | 4.00 | MVSI 075/3800E-S02 | A | 796 | 347 | 340 | 180 | 280 | 26 | 4 | 80 | 165 | 233 | 303 | 240 | 320 | M32x1,5 |
| | 6E2862 | MVSI 075/4200E-S02 | 90 | 4658 | 4658 | 2930 | 4218 | 28.7 | 41.4 | 238 | 238 | T3 | 135°C | 2630 | 2990 | 1900 | 2180 | 6.18 | 6.20 | 14 | 3.84 | MVSI 075/4200E-S02 | A | 740 | 370 | 390 | 200 | 320 | 28 | 4 | 90 | 180 | 190 | 330 | 270 | 350 | M32x1,5 |
| | 6E2826 | MVSI 075/5300E-S02 | 90 | 5838 | 5838 | 3672 | 5287 | 36.0 | 51.9 | 268 | 268 | T3 | 135°C | 3520 | 3800 | 2570 | 2775 | 7.79 | 7.40 | 14 | 3.80 | MVSI 075/5300E-S02 | A | 840 | 370 | 390 | 200 | 320 | 28 | 4 | 90 | 180 | 240 | 330 | 270 | 350 | M32x1,5 |
| | 6E2870 | MVSI 075/10000E-S02 | 97 | 12390 | 10973 | 7792 | 9937 | 76.4 | 97.5 | 438 | 419 | T3 | 135°C | 5100 | 5800 | 4100 | 4500 | 11.4 | 11.0 | 17 | 3.50 | MVSI 075/10000E-S02 | C | 1002 | 437 | 460 | 125 | 380 | 38 | 6 | 35 | 215 | 300 | 387 | 320 | 414 | M32x1,5 |

* Working moment = 2 x static moment.

tE (s) = set time tE from IEC/EN 60079-7. Ia/In = ratio between start-up current and maximum current.