OLI

# INDUSTRIAL VIBRATORS

## ELECTRIC VIBRATORS FOR INDUSTRIAL APPLICATIONS







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# Worldwide leader in vibration technology

## OUR 3 DIVISIONS

### PROVIDE CUSTOMERS WITH OPTIMAL SOLUTIONS FOR ALL REQUIREMENTS

| INDUSTRIAL VIBRATORS | FLOW AIDS | CONCRETE CONSOLIDATION |
|---|---|---|
|  |  |  |
| Electric vibrators and oscillating mounts for vibrating equipment. | Electric and pneumatic vibrators to solve any flowability problem. | High frequency vibrators, converters and accessories for concrete compaction. |



Founded in 1960 in Milan, OLI has undergone remarkable evolution, solidifying its position as **the world's top-selling manufacturer of Industrial Vibrators**. The company has expanded its global presence with **23 Trading Subsidiaries**, over **70 local warehouses**, and **4 manufacturing plants**.

Initially focused on immersion vibrators for concrete consolidation, OLI has emerged as a global leader in vibration technology. Offering a diverse range of **electric** and **pneumatic internal** and **external vibrators**, OLI seamlessly integrates performance and reliability to adapt to dynamic market demands.

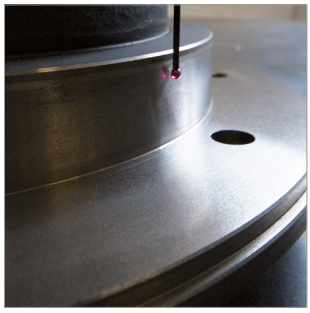
OLI has refined its business strategy to prioritize **rapid stock delivery** and unparalleled **technical assistance**, ensuring customers worldwide have prompt access to **top-tier products and support**. Exceptional customer service is a cornerstone of OLI's operations, characterized by efficient order processing and universal access to high-quality products and services.
The company boasts a **team of specialized engineers** supported by globally certified management, ready to offer the expertise needed to address customer needs efficiently and safely.

OLI is not only committed to providing cutting-edge equipment but is also at the forefront of **developing innovative products**, aiming to maintain its leadership in the vibration technology industry and continuously set new standards.



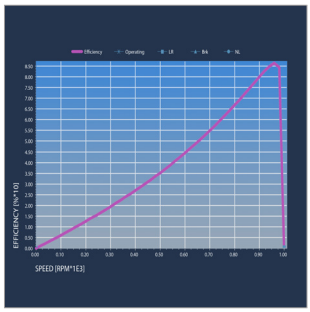
# TECHNICAL FEATURES

## QUALITY



World class materials
Class F insulation
Durable sealing
Premium bearings
Strong body design - FEM designed
Vacuum insulation
FMEA analysis
3D quality check

## EFFICIENCY



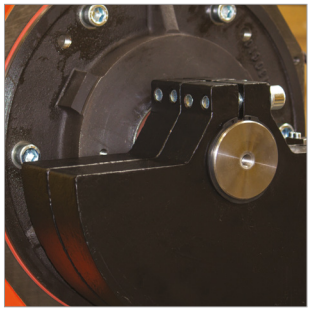

Optimised power/weight ratio
S1 continuous duty service
Optimized electric design

## RELIABILITY



PTC thermistor 130 °C
Specific grease retaining device
Tropicalised standard
IP66 protection
Class F insulation

## FLEXIBILITY



Easy mass adjustment
Various voltages and frequencies available
Easy access to the terminal box
Multiple eye-bolts

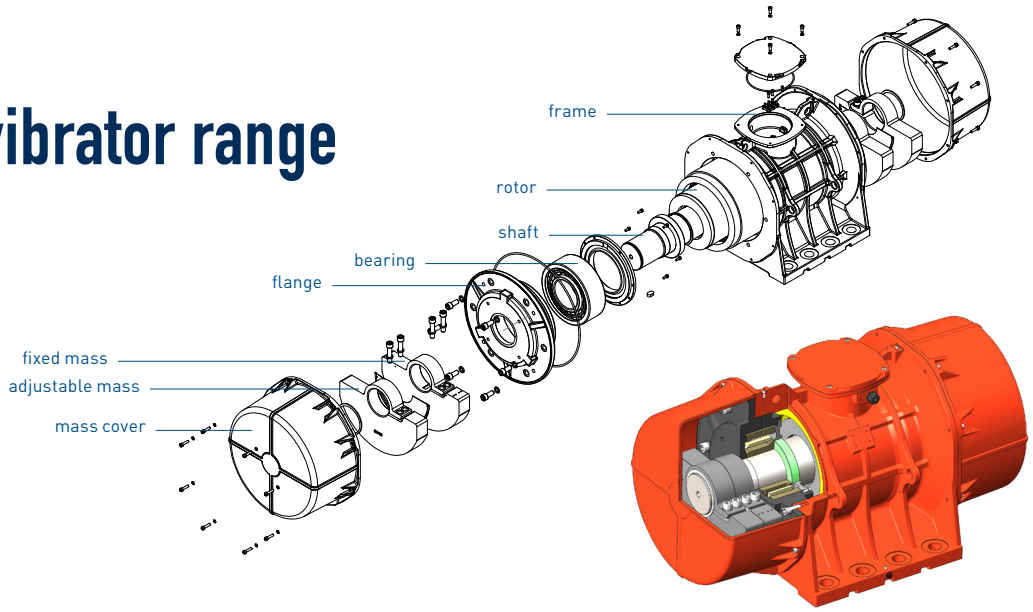


# Standard specifications

| | PRODUCT RANGE | | | | | |
|---|---|---|---|---|---|---|
| Specification | Standard | Increased Safety | Explosion-Proof | Milling Grain Processing | Screen Vibrator | Stainless Steel |
| Power supply | Three-phase from 24V to 690V. 50Hz or 60Hz. Single phase 110V 60Hz and 220V 50Hz. Three-phase motors are designed for inverter application. | Three-phase from 230V to 500V. 50Hz or 60Hz. All motors are designed for inverter application from 20Hz to rated frequency. | Three-phase from 220V to 575V. 50Hz or 60Hz. All motors are designed for inverter application from 20Hz to rated frequency. | | Three-phase from 220V to 575V. 50Hz or 60Hz. All motors are designed for inverter application from 20Hz to rated frequency. | |
| Time rating | Continuous duty (S1). | | | | | |
| Protection structure | Mechanical protection IP66 according to IEC 60529. | | | | | |
| Bearings | Ball bearings from size MICRO to 50. Roller bearings from size 60 to 110. | Ball bearings from size 10 to 50. Roller bearings from size 60 to 90. | Roller bearings. | | | Ball bearings from size 10 to 50* Roller bearing for size 60. |
| Coating colour | Polyester powder coating. Standard colour RAL 2009. Special corrosion resistant painting available on request on Standard range only. | | | | | AISI 316 frame not painted. |
| Footprint | Compatibility with the main competitor's footprint on request. | | | | | / |
| Installation and operating environment | For indoor and outdoor use. | | | | | |
| | Ambient temperature: from -20 °C to +40 °C. Up to +55 °C available on request. | Ambient temperature: from -20 °C to +40 °C. | Ambient temperature: from -20 °C to +60 °C. | Ambient temperature: from -20 °C to +40 °C. | Ambient temperature: from -20 °C to +40 °C. | Ambient temperature: from -20 °C to +40 °C. |
| Standards supported | Conformity with European Directive. Low voltage 2014/35/UE. Machine directive 2023/1230 EC. ATEX 2014/34/UE. | | | | | |
| Mass covers | Aluminium, for vibrators from size 10 to size 50 and size 100, 105, 110. Mild steel, for size 60 to size 91. Stainless steel AISI 304, for direct current motovibrators. | Aluminium, for vibrators from size 10 to size 50. Mild Steel, for size 60 to size 91. | AISI 304 Stainless Steel. | Mild Steel. | Aluminium. | AISI 304 Stainless Steel. |
| Windings | 2, 4, 6 and 8 poles three-phase asynchronous motor from size 10 to 110. 2 poles single phase from size 10 to 30. | 2, 4, 6 and 8 poles three-phase asynchronous motor. | | 6, 8, 10 and 12 poles three-phase asynchronous motor. | 4 poles. | 2, 4, 6 and 8 poles three-phase asynchronous motor. |
| | Class F insulating materials (155 °C). Vacuum impregnated windings. PTC thermistor 130 °C standard from size 60. | | Thermal switch 130 °C standard from size 60. | Class F insulating materials (155 °C). Vacuum impregnated windings. PTC thermistor 130 °C standard from size 60. | Thermal switch 130 °C. | Class F insulating materials (155 °C). Vacuum impregnated windings. |
| Flanges | Grey cast iron up to size 80. Ductile cast iron from size 100. | | | | Ductile cast iron. | Grey cast iron. |
| Frame | Aluminium up to size 50. Ductile cast iron from size 60. | | | | Aluminium. | AISI 316. |
| Shaft | Steel alloy highly resistant. | | | | | |
| Eccentric masses | Completely adjustable. | | | | | |

* Except for MVE 710/15N-50A0 and MVE 510/1N-50A0

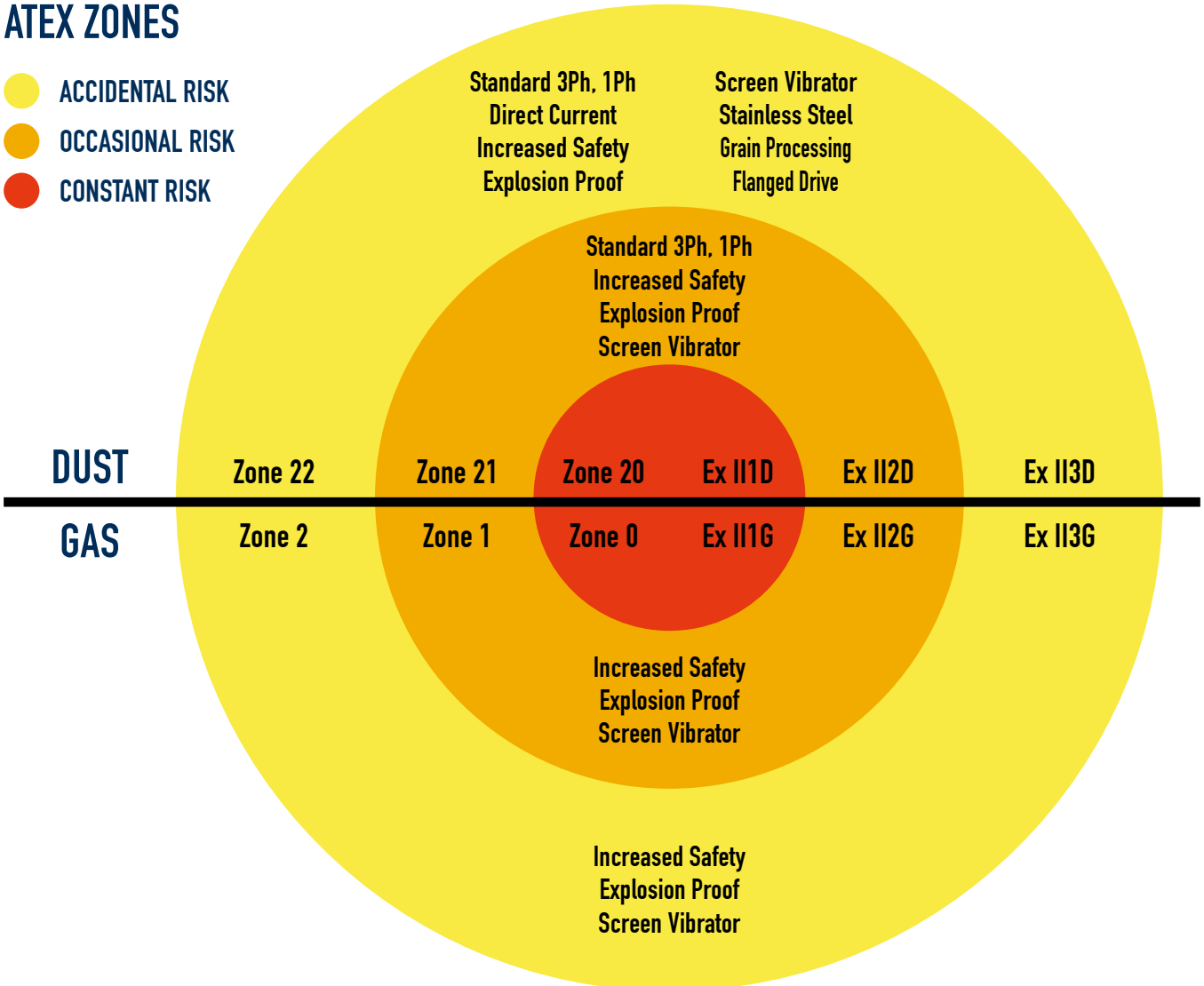
# The OLI vibrator range




Providing centrifugal force up to 26,000 kgs and with multiple voltage options OLI's range of electric motovibrators covers several fields of application in every country as well as many different industrial sectors: from food to mining, from foundry to recycling and more.
OLI's electric motovibrators are designed and manufactured using the latest technologies and premium quality materials and components.
Vibrator bodies, bearing flanges and shafts are FMEA designed and manufactured using first grade Aluminium alloy, cast iron and steel alloy to withstand heavy duty applications and guarantee safe operation in any condition.
Vacuum impregnated windings and class F insulating materials enhance reliability and durability.
Top quality bearings and an efficient grease retaining system assure long lasting performance and low noise generation.
Adjustable eccentric masses allow easy fine tuning of the Max centrifugal force provided by the vibrator.
Several certifications for use in hazardous environments are available in the OLI range to match the most demanding specification worldwide.

## ATEX ZONES

- ACCIDENTAL RISK
- OCCASIONAL RISK
- CONSTANT RISK



# Certifications

## Standard

Conformity with European Directive - Low voltage 2014/35/UE; Machine Directive 2023/1230 EC; ATEX 2014/34/UE - UL 1836. UL 1004-1 - SAC22.2 NO 25. 100. 145

| CATEGORY | CERTIFICATIONS | INTERNATIONAL STANDARD | GAS | DUST |
|---|---|---|---|---|
| **ATEX zone 21**<br>Class II Div.2<br>Temperature range -20/+40 °C * | | EN 60079-0, EN 60079-31 | n/a | II2D Ex tb IIIC Tx Db IP66 |
| | | IEC 60079-0, IEC 60079-31 | n/a | Ex tb IIIC Tx Db IP66 |
| | | UL 1004-1, UL 60079-0, UL 60079-31<br>CSA 22.2 100, CSA 22.2 60079-0,<br>CSA 22.2 60079-31 | n/a | Class II Div.2 Groups F, G T4 |

* Extended temperature range up to 55 °C available on request.

**MVE DC Range:** II3D Ex tc IIIC T100 IP69K

Tx = T100 °C up to size 30 included;
T135 °C from size 40 up.

## Grain Processing, Stainless Steel, Screen Vibrator and Flanged Drive

Conformity with European Directive - Low voltage 2014/35/UE; Machine Directive 2023/1230 EC; ATEX 2014/34/UE

| CATEGORY | CERTIFICATIONS | INTERNATIONAL STANDARD | GAS | DUST |
|---|---|---|---|---|
| **ATEX zone 22**<br>Temperature range -20/+40 °C | | EN 60079-0, EN 60079-31 | n/a | II3D Ex tc IIIC T100 IP66 |
| | | UL 1446, CSA C22.2 NO 0-10 | n/a | n/a |

## Increased Safety

Conformity with European Directive - Low voltage 2014/35/UE; Machine Directive 2023/1230 EC; ATEX 2014/34/UE - UL 1836. UL 1004-1 - SAC22.2 NO 25. 100. 145

| CATEGORY | CERTIFICATIONS | INTERNATIONAL STANDARD | GAS | DUST |
|---|---|---|---|---|
| **ATEX zone 1-21**<br>Class II Div.2 (dust)<br>Class I Div.2 (gas)<br>Temperature range -20/+40 °C | | EN 60079-0, EN 60079-7 | II 2G Ex eb IIC T3 Gb | II2D Ex tb IIIC Tx Db IP66 |
| | | IEC 60079-0, IEC 60079-7 | Ex eb IIC T3 Gb | Ex tb IIIC Tx Db IP66 |
| | | UL 1004-1, UL 60079-0, UL 60079-7<br>CSA 22.2 100, CSA 22.2 60079-0,<br>CSA 22.2 60079-7 | Class I Div.2<br>Group A, B, C, D T3 | Class II Div.2 Groups F, G T4 |

Tx = T100 °C up to size 30 included;
T135 °C from size 40 up.

## Explosion Proof and Screen Vibrator

Conformity with European Directive - Low voltage 2014/35/UE; Machine Directive 2023/1230 EC - ATEX 2014/34/UE - UL 1836. UL 1004-1. UL 674 - CSAC22.2 NO 25. 100. 145

| CATEGORY | CERTIFICATIONS | INTERNATIONAL STANDARD | GAS | DUST |
|---|---|---|---|---|
| **ATEX zone 1-21**<br>Class I Div.1<br>Class II Div.1 **<br>Temperature range -20/+60 °C | | EN 60079-0, EN 60079-31, EN 60079-1 | ATEX II 2G Ex db IIB T4 Gb | ATEX II 2D Ex tb IIIC T135°C Db |
| | | IEC 60079-0, IEC 60079-31,<br>IEC 60079-1 | IECEx Ex db IIB T4 Gb | IECEX Ex tb IIIC T135°C Db |
| | E488916 CLASS I DIV.1 GROUP C,D T4 | UL 1004-1,<br>UL 1004-3,UL1203;UL674,<br>CSA C22.2 No.145,<br>CSA C22.2 No.30-M1986. | CLASS I Div.1<br>Group C, D T4 IP66 | CLASS II Div.1 GROUP E,F,G** |

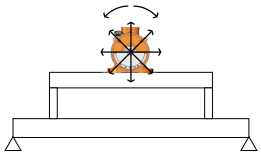
* Screen vibrator is also available with the same certifications as the standard, not explosion proof range, mentioned in the first chart of this page.
** Soon available.

# How to choose a motovibrator

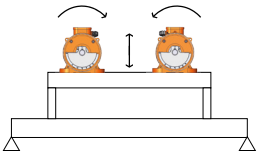
## 1.

Choose rpm and the amplitude "e" (0 - peak) suitable for your application:

Circular vibration



Linear vibration



| Application processes | Vibration | | Revolutions Per Minute | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 50Hz | 750 | 1000 | 1500 | 3000 | 6000 |
| | Circular | Linear | 60Hz | 900 | 1200 | 1800 | 3600 | - |
| Conveying | | ✓ | | | ✓ | ✓ | | |
| Separation / Screening / Sizing | | ✓ | | ✓ | ✓ | ✓ | | |
| Positioning / Feeding | | ✓ | | ✓ | ✓ | ✓ | | |
| Filter cleaning | ✓ | | | | | | ✓ | |
| Silo/hopper emptying | ✓ | | | | | | ✓ | |
| Fluid beds | | ✓ | | ✓ | ✓ | | | |
| Bin activators | ✓ | | | | | ✓ | ✓ | |
| Compacting | | ✓ | | | | | ✓ | ✓ |
| Concrete consolidation | ✓ | | | | | | ✓ | ✓ |

| rpm | e (mm) | |
|---|---|---|
| | Min. | Max. |
| 3,600 | 0.3 | 0.6 |
| 3,000 | 0.3 | 0.8 |
| 1,800 | 1.2 | 2.2 |
| 1,500 | 1.4 | 2.6 |
| 1,200 | 2.5 | 4.0 |
| 1,000 | 3.0 | 5.2 |
| 900 | 3.5 | 5.5 |
| 750 | 3.5 | 6.0 |

## 2.

Choose an MVE from the tables of the following pages and use its Wm into this formula:

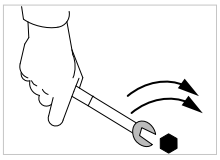
$$e = 5 \times \frac{n \times Wm}{n \times M_{mot} + M_{vm}}$$

e = amplitude of vibration 0-peak (mm)
n = number of vibrators
Wm = working moment (kgcm)
$M_{mot}$ = vibrator weight (kg)
$M_{vm}$ = vibrating machine weight (without material and vibrators)

## 3.

Check the obtained value "e":

- If it is similar to the required one (step 1) ➡ the MVE model is correct.
- If it is not similar to the required one (step 1) ➡ repeat the process (step 2) with a different MVE model.



For tips on installation see page 46

# Standard rated voltages

Several voltages are available to match local electric specifications worldwide both at 50Hz and 60Hz.

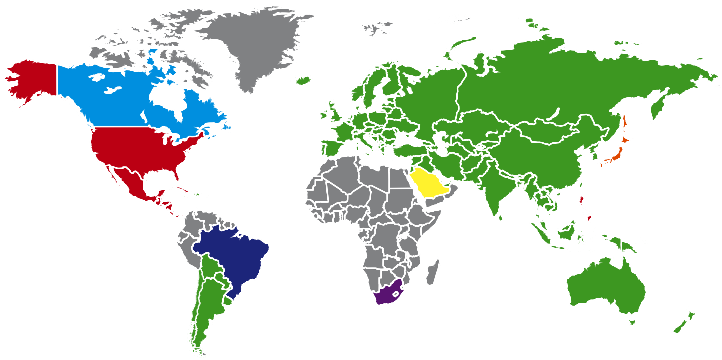
All OLI vibrators can be operated with double voltage by simply changing the connections inside the terminal box from **Star** to **Delta** or vice-versa.

**As a general rule MVEs with rated power >4,3kW have standard Delta terminal box connection**, with the only exception of MVE 5000/3E-75A1. **Smaller MVEs have standard Star terminal box connection.** Refer to the product specification charts to see the factory setting for each model.

*For details about "Star" and "Delta" connections see page 47.*

| | |
|---|---|
| 200-230/345-400 V | 50/60 Hz |
| 220-240/380-415 V<br>380-415 V (Delta) * | 50 Hz |
| 230/460 V *<br>460 V (Delta) * | 60 Hz |
| 330/575 V *<br>575 V (Delta) *<br>460 V (Delta) * | 60 Hz |
| 290-300/500-525 V<br>500-525 V (Delta) | 50 Hz |
| 207-253/414-480 V | 60 Hz |
| 220-240/380-415 V<br>220-277/380-480 V | 50 Hz<br>60 Hz |
| 380/415 V (Delta)<br>460 V (Delta) * | 50 Hz<br>60 Hz |

* Voltage Tolerance: ±10%



**IMPORTANT:**
Rated voltage might change according to the certification level permitted when some optionals are chosen.

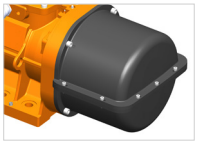
# Optionals



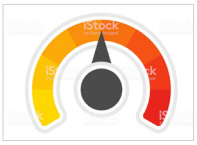
**FULL STEEL-IT**
Specifically developed for food applications featuring a special coating containing AiSi 316L stainless steel.



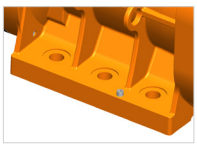
**EXTENDED SHAFTS**
Designed for multiple vibrator application.
Available on request.



**SPLIT COVERS**
Developed for space saving applications. Available from size 60 and above.



**HEATERS**
To be used in severe cold environment.



**FOOTPRINT**
Competitor's footprint available on request.

# Special Version



**STEEL-IT COVER INOX**
Available with clean finishing AiSi 430 stainless steel mass covers (on request) for the most demanding applications.



**BALL BURNISHING**
Engineered to meet the highest hygiene standards, it features a polished, uncoated, zero-porosity surface.

# STANDARD RANGE

## MVE 2 POLES
### 3000/3600 rpm

Class II Div.2: Temp. Class **T4**
ExII 2D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 1.3 | 1.0 | MVE 60/3E-10A0 | MVE 60/36E-10A0 | 66 | 71 | 4 | | 0.09 | 0.09 | 0.25 | 0.23 | Y | 3.2 | 3.2 | M16 | ● |
| 2.0 | 1.3 | MVE 100/3E-10A0 | MVE 100/36E-10A0 | 98 | 95 | 5 | | 0.09 | 0.09 | 0.25 | 0.23 | Y | 3.2 | 3.2 | M16 | ● |
| 3.7 | 2.6 | MVE 200/3E-20A0 | MVE 200/36E-20A0 | 187 | 189 | 7 | | 0.15 | 0.18 | 0.35 | 0.30 | Y | 3.5 | 3.5 | M20 | ● |
| 3.7 | 2.6 | MVE 200/3E-23A0 | MVE 200/36E-23A0 | 187 | 189 | 7 | | 0.15 | 0.18 | 0.35 | 0.30 | Y | 3.5 | 3.5 | M20 | ● |
| 6.4 | 4.5 | MVE 300/3E-30A0 | MVE 300/36E-30A0 | 321 | 323 | 10 | | 0.25 | 0.28 | 0.52 | 0.45 | Y | 3.8 | 3.7 | M20 | ● |
| 8.0 | 5.7 | MVE 400/3E-30A0 | MVE 400/36E-30A0 | 407 | 411 | 10 | | 0.27 | 0.33 | 0.58 | 0.60 | Y | 3.7 | 3.7 | M20 | ● |
| 10.3 | 7.4 | MVE 500/3E-40A0 | MVE 500/36E-40A0 | 530 | 534 | 16 | | 0.50 | 0.58 | 0.96 | 0.97 | Y | 4.2 | 4.4 | M20 | ● |
| 14.9 | 10.6 | MVE 700/3E-40A0 | MVE 700/36E-40A0 | 758 | 765 | 17 | | 0.59 | 0.61 | 1.25 | 1.24 | Y | 4.5 | 5.2 | M20 | ● |
| 15.7 | 11.1 | MVE 800/3E-50A0 | MVE 800/36E-50A0 | 794 | 800 | 20 | | 0.70 | 0.84 | 1.45 | 1.50 | Y | 4.0 | 4.0 | M20 | ● |
| 20.3 | 14.0 | MVE 1200/3E-50A0 | MVE 1200/36E-50A0 | 1,005 | 1,013 | 21 | | 0.95 | 1.15 | 1.85 | 1.95 | Y | 4.6 | 4.7 | M20 | ● |
| 26.6 | 18.6 | MVE 1300/3E-50A0 | MVE 1300/36E-50A0 | 1,355 | 1,365 | 22 | | 1.30 | 1.38 | 2.44 | 2.25 | Y | 5.4 | 5.2 | M20 | ● |
| 31.3 | 22.2 | MVE 1600/3E-60A0 | MVE 1600/36E-60A0 | 1,601 | 1,608 | 51 | 50 | 1.54 | 1.60 | 2.94 | 2.61 | Y | 6.1 | 6.4 | M25 | ● |
| 36.8 | 27.6 | MVE 2000/3E-60A0 | MVE 2000/36E-60A0 | 2,027 | 1,997 | 52 | 50 | 2.10 | 2.10 | 3.75 | 3.42 | Y | 6.7 | 6.6 | M25 | ● |
| 46.0 | 31.9 | MVE 2300/3E-60A0 | MVE 2300/36E-60A0 | 2,302 | 2,306 | 53 | 51 | 2.40 | 2.45 | 4.44 | 3.45 | Y | 6.2 | 6.5 | M25 | ● |
| 68.1 | 43.9 | MVE 3200/3E-75A1 | MVE 3200/36E-75A1 | 3,252 | 3,176 | 103 | 101 | 2.76 | 2.90 | 5.30 | 4.61 | Y | 8.5 | 8.4 | M32 | ● |
| 79.4 | 56.0 | MVE 4000/3E-75A1 | MVE 4000/36E-75A1 | 4,033 | 4,052 | 107 | 104 | 2.90 | 2.90 | 5.30 | 4.61 | Y | 8.7 | 9.9 | M32 | ● |
| 103.2 | 69.8 | MVE 5000/3E-75A1 | MVE 5000/36E-75A1 | 5,009 | 5,048 | 111 | 106 | 4.00 | 4.00 | 7.22 | 6.28 | Y | 8.7 | 10.0 | M32 | ● |
| 129.6 | 90.5 | MVE 6500/3E-85A0 | MVE 6500/36E-85A0 | 6,510 | 6,552 | 228 | 230 | 5.23 | 5.50 | 9.43 | 8.20 | Δ | 8.7 | 9.0 | M32 | ● |
| 179.6 | 129.6 | MVE 9000/3E-85A0 | MVE 9000/36E-85A0 | 9,025 | 9,375 | 240 | 235 | 9.50 | 9.30 | 17.80 | 14.40 | Δ | 8.6 | 8.8 | M32 | ● |
| 129.6 | 90.5 | MVE 6500/3E-86A0 | MVE 6500/36E-86A0 | 6,510 | 6,552 | 228 | 230 | 5.50 | 6.30 | 9.50 | 9.50 | Δ | 8.2 | 7.7 | M32 | ● |
| 179.6 | 129.6 | MVE 9000/3E-86A0 | MVE 9000/36E-86A0 | 9,025 | 9,375 | 240 | 235 | 6.60 | 7.70 | 11.50 | 11.50 | Δ | 8.2 | 8.2 | M32 | ● |

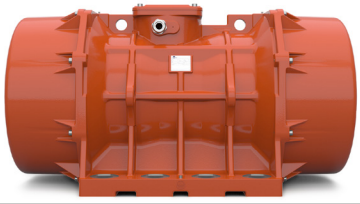
*SIZE 10A0*



*SIZE 60A0*



*SIZE 105A0*

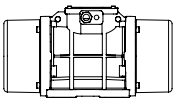


UP TO SIZE 60 (NOT INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%

ABOVE SIZE 60 (INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



Technical drawings in the last page



DIMENSIONAL SPECIFICATIONS (mm)

| Model | | Drawing | Size | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 60/3E-10A0 | MVE 60/36E-10A0 | A1 | 10A0 | 213 | | 45 | | Multiple Footprint | | | 4 | 130 | 135 | 11 | 50 | 96 | 107 | 85 |
| | | | | | | | | 62-74 | 106 | 9 | | | | | | | | |
| | | | | | | | | 33 | 83-102 | 7 | | | | | | | | |
| MVE 100/3E-10A0 | MVE 100/36E-10A0 | A1 | 10A0 | 213 | | 45 | | Multiple Footprint | | | 4 | 130 | 135 | 11 | 50 | 96 | 107 | 85 |
| | | | | | | | | 62-74 | 106 | 9 | | | | | | | | |
| | | | | | | | | 33 | 83-102 | 7 | | | | | | | | |
| MVE 200/3E-20A0 | MVE 200/36E-20A0 | B1 | 20A0 | 233 | | 54 | | 62-74 | 106 | 9 | 4 | 130 | 154 | 15 | 65 | 125 | 120 | 112 |
| MVE 200/3E-23A0 | MVE 200/36E-23A0 | G | 23A0 | 222 | | 55 | | Multiple Footprint | | | 4 | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| | | | | | | | | 62-74 | 106 | 9 | | | | | | | | |
| | | | | | | | | 65 | 140 | 13 | | | | | | | | |
| | | | | | | | | 115 | 135 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |
| MVE 300/3E-30A0 | MVE 300/36E-30A0 | C1 | 30A0 | 254 | | 42 | | Multiple Footprint | | | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| | | | | | | | | 80 | 110 | 11 | | | | | | | | |
| | | | | | | | | 90 | 125 | 13 | | | | | | | | |
| | | | | | | | | 124 | 110 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |
| MVE 400/3E-30A0 | MVE 400/36E-30A0 | C1 | 30A0 | 274 | | 52 | | Multiple Footprint | | | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| | | | | | | | | 80 | 110 | 11 | | | | | | | | |
| | | | | | | | | 90 | 125 | 13 | | | | | | | | |
| | | | | | | | | 124 | 110 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |
| MVE 500/3E-40A0 | MVE 500/36E-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 169 | 166 | 158 |
| MVE 700/3E-40A0 | MVE 700/36E-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 169 | 166 | 158 |
| MVE 800/3E-50A0 | MVE 800/36E-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1200/3E-50A0 | MVE 1200/36E-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1300/3E-50A0 | MVE 1300/36E-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1600/3E-60A0 | MVE 1600/36E-60A0 | D1 | 60A0 | 402 | | 90 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2000/3E-60A0 | MVE 2000/36E-60A0 | D1 | 60A0 | 402 | | 90 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2300/3E-60A0 | MVE 2300/36E-60A0 | D1 | 60A0 | 402 | | 90 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 3200/3E-75A1 | MVE 3200/36E-75A1 | D1 | 75A1 | 516 | | 117 | | 155 | 255 | 25 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 4000/3E-75A1 | MVE 4000/36E-75A1 | D1 | 75A1 | 516 | | 117 | | 155 | 255 | 25 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 5000/3E-75A1 | MVE 5000/36E-75A1 | D1 | 75A1 | 564 | 516 | 141 | 117 | 155 | 255 | 25 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 6500/3E-85A0 | MVE 6500/36E-85A0 | D1 | 85A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/3E-85A0 | MVE 9000/36E-85A0 | D1 | 85A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 6500/3E-86A0 | MVE 6500/36E-86A0 | D1 | 86A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/3E-86A0 | MVE 9000/36E-86A0 | D1 | 86A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

This information is provided without warranty, representation, inducement or licence of any kind. It is accurate to the best OLI knowledge or is obtained from sources believed to be accurate. OLI therefore assumes no legal responsibility. The latest and most updated information are available online.

» Class II Div.2 Group F, G T4
» Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079- 31, CSA 22.2 N°100, CSA 22.2 N°77

# STANDARD RANGE

## MVE 4 POLES
### 1500/1800 rpm

Class II Div.2: Temp. Class **T4**
ExII 2D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

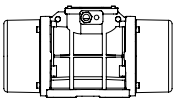
| Wm (Kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50 Hz | 60 Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 2.0 | 2.0 | MVE 40/15E-10A0 | MVE 40/18E-10A0 | 25 | 36 | 5 | | 0.05 | 0.04 | 0.31 | 0.31 | Y | 2.2 | 2.2 | M16 | ● |
| 6.0 | 4.2 | MVE 90/15E-20A0 | MVE 90/18E-20A0 | 75 | 76 | 7 | | 0.07 | 0.08 | 0.31 | 0.25 | Y | 2.2 | 2.2 | M20 | ● |
| 7.7 | 5.4 | MVE 100/15E-20A0 | MVE 100/18E-20A0 | 97 | 98 | 7 | | 0.07 | 0.08 | 0.31 | 0.25 | Y | 2.2 | 2.2 | M20 | ● |
| 15.4 | 10.8 | MVE 200/15E-30A0 | MVE 200/18E-30A0 | 194 | 196 | 12 | | 0.12 | 0.15 | 0.49 | 0.50 | Y | 2.2 | 2.2 | M20 | ● |
| 33.4 | 23.4 | MVE 400/15E-40A0 | MVE 400/18E-40A0 | 420 | 423 | 20 | | 0.27 | 0.32 | 0.84 | 0.86 | Y | 2.7 | 2.7 | M20 | ● |
| 40.1 | 28.1 | MVE 500/15E-40A0 | MVE 500/18E-40A0 | 504 | 508 | 21 | | 0.35 | 0.40 | 1.06 | 1.09 | Y | 3.0 | 2.9 | M20 | ● |
| 26.6 | 18.6 | MVE 300/15E-50A0 | MVE 300/18E-50A0 | 334 | 336 | 22 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 56.8 | 39.4 | MVE 700/15E-50A0 | MVE 700/18E-50A0 | 714 | 712 | 27 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 56.8 | 39.4 | MVE 710/15E-50A0 | MVE 710/18E-50A0 | 714 | 712 | 27 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 75.6 | 52.9 | MVE 950/15E-50A0 | MVE 950/18E-50A0 | 950 | 957 | 33 | | 0.64 | 0.77 | 1.40 | 1.35 | Y | 4.2 | 4.2 | M20 | ● |
| 87.7 | 61.4 | MVE 1100/15E-51A0 | MVE 1100/18E-51A0 | 1,102 | 1,110 | 35 | 28.5 | 0.64 | 0.77 | 1.40 | 1.35 | Y | 4.0 | 4.0 | M20 | ● |
| 108.6 | 76.7 | MVE 1400/15E-60A0 | MVE 1400/18E-60A0 | 1,364 | 1,388 | 63.5 | 60.5 | 0.70 | 0.84 | 1.78 | 1.78 | Y | 4.2 | 4.2 | M25 | ● |
| 137.3 | 92.0 | MVE 1700/15E-60A0 | MVE 1700/18E-60A0 | 1,725 | 1,664 | 67.5 | 64 | 1.13 | 1.30 | 2.16 | 2.09 | Y | 4.9 | 4.7 | M25 | ● |
| 187.7 | 137.4 | MVE 2400/15E-60A0 | MVE 2400/18E-60A0 | 2,358 | 2,485 | 77 | 69.5 | 1.57 | 1.88 | 3.20 | 3.20 | Y | 5.1 | 5.1 | M25 | ● |
| 203.5 | 135.6 | MVE 2500/15E-70A0 | MVE 2500/18E-70A0 | 2,557 | 2,454 | 85 | 74.4 | 1.76 | 2.00 | 3.08 | 3.00 | Y | 6.2 | 6.3 | M25 | ● |
| 248.7 | 169.8 | MVE 3000/15E-70A0 | MVE 3000/18E-70A0 | 3,124 | 3,071 | 83.5 | 78 | 1.90 | 2.30 | 3.68 | 3.30 | Y | 6.7 | 6.8 | M25 | ● |
| 306.7 | 204.7 | MVE 3800/15E-75A0 | MVE 3800/18E-75A0 | 3,853 | 3,704 | 125 | 113 | 2.20 | 2.60 | 4.15 | 4.15 | Y | 7.0 | 7.0 | M32 | ● |
| 343.2 | 240.9 | MVE 4300/15E-75A0 | MVE 4300/18E-75A0 | 4,312 | 4,359 | 136 | 120 | 2.50 | 3.00 | 4.50 | 4.60 | Y | 7.2 | 7.4 | M32 | ● |
| 437.4 | 303.7 | MVE 5500/15E-80A0 | MVE 5500/18E-80A0 | 5,495 | 5,495 | 181 | 169 | 2.88 | 3.45 | 6.50 | 5.50 | Y | 7.3 | 7.2 | M32 | ● |
| 576.8 | 397.3 | MVE 7200/15E-85A0 | MVE 7200/18E-85A0 | 7,246 | 7,188 | 237 | 231 | 4.00 | 4.80 | 8.50 | 8.70 | Δ | 7.0 | 7.1 | M32 | ● |
| 718.0 | 498.8 | MVE 9000/15E-85A0 | MVE 9000/18E-85A0 | 9,020 | 9,023 | 252 | 241 | 7.35 | 8.50 | 13.40 | 12.00 | Δ | 7.2 | 7.2 | M32 | ● |
| 579.9 | 406.0 | MVE 7200/15E-86A0 | MVE 7200/18E-86A0 | 7,286 | 7,345 | 237 | 231 | 6.00 | 6.50 | 11.00 | 10.80 | Δ | 4.7 | 4.5 | M32 | ● |
| 724.8 | 507.0 | MVE 9000/15E-86A0 | MVE 9000/18E-86A0 | 9,106 | 9,172 | 252 | 241 | 6.00 | 6.50 | 11.00 | 10.80 | Δ | 4.7 | 4.5 | M32 | ● |
| 800.1 | 588.3 | MVE 10000/15E-90A0 | MVE 10000/18E-90A0 | 10,052 | 10,643 | 300 | 286 | 5.40 | 7.00 | 13.00 | 13.00 | Δ | 6.7 | 6.6 | M32 | ● |
| 835.7 | 581.3 | MVE 10000/15E-91A0 | MVE 10000/18E-91A0 | 10,499 | 10,517 | 300 | 286 | 7.00 | 8.20 | 13.10 | 13.10 | Δ | 7.2 | 7.7 | M32 | ● |
| 939 | 655 | MVE 11500/15E-100A0 | MVE 11500/18E-100A0 | 11,779 | 11,853 | 445 | 422 | 9.00 | 10.00 | 15.50 | 15.50 | Δ | 7.0 | 7.0 | M32 | ● |
| 1,142 | 838 | MVE 14500/15E-100A0 | MVE 14500/18E-100A0 | 14,352 | 15,153 | 460 | 442 | 11.00 | 13.00 | 18.50 | 18.50 | Δ | 8.0 | 8.0 | M32 | ● |

UP TO SIZE 60 (NOT INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%
Except for model MVE 1100/15 - 1100/18

ABOVE SIZE 60 (INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



Technical drawings in the last page



DIMENSIONAL SPECIFICATIONS (mm)

| Model | | Drawing | Size | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 Hz | 60 Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 40/15E-10A0 | MVE 40/18E-10A0 | A | 10A0 | 213 | | 45 | | Multiple Footprint: 62-74 / 33 | 106 / 83-102 | 9 / 7 | 4 | 130 | 135 | 11 | 50 | 96 | 107 | 85 |
| MVE 90/15E-20A0 | MVE 90/18E-20A0 | B | 20A0 | 233 | | 54 | | 62-74 | 106 | 9 | 4 | 130 | 154 | 15 | 65 | 125 | 120 | 112 |
| MVE 100/15E-20A0 | MVE 100/18E-20A0 | B | 20A0 | 233 | | 54 | | 62-74 | 106 | 9 | 4 | 130 | 154 | 15 | 65 | 125 | 120 | 112 |
| MVE 200/15E-30A0 | MVE 200/18E-30A0 | C | 30A0 | 274 | | 52 | | Multiple Footprint: 80 / 90 / 124 / 135 | 110 / 125 / 110 / 115 | 11 / 13 / 11 / 11 | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| MVE 400/15E-40A0 | MVE 400/18E-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 500/15E-40A0 | MVE 500/18E-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 300/15E-50A0 | MVE 300/18E-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 700/15E-50A0 | MVE 700/18E-50A0 | D1 | 50A0 | 391 | | 97 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 710/15E-50A0 | MVE 710/18E-50A0 | D1 | 50A0 | 391 | | 97 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 950/15E-50A0 | MVE 950/18E-50A0 | D1 | 50A0 | 455 | | 129 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1100/15E-51A0 | MVE 1100/18E-51A0 | D1 | 51A0 | 414 | | 106 | | 120 | 170 | 17 | 4 | 208 | 220 | 25 | 105 | 202 | 192 | 187 |
| MVE 1400/15E-60A0 | MVE 1400/18E-60A0 | D1 | 60A0 | 446 | | 112 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1700/15E-60A0 | MVE 1700/18E-60A0 | D1 | 60A0 | 446 | | 112 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2400/15E-60A0 | MVE 2400/18E-60A0 | D1 | 60A0 | 490 | 446 | 134 | 112 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2500/15E-70A0 | MVE 2500/18E-70A0 | D1 | 70A0 | 501 | | 123 | | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 3000/15E-70A0 | MVE 3000/18E-70A0 | D1 | 70A0 | 535 | 501 | 140 | 123 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 3800/15E-75A0 | MVE 3800/18E-75A0 | D1 | 75A0 | 564 | 536 | 151 | 117 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 4300/15E-75A0 | MVE 4300/18E-75A0 | D1 | 75A0 | 584 | 564 | 151 | 141 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 5500/15E-80A0 | MVE 5500/18E-80A0 | D1 | 80A0 | 603 | | 143 | | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 7200/15E-85A0 | MVE 7200/18E-85A0 | D1 | 85A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/15E-85A0 | MVE 9000/18E-85A0 | D1 | 85A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 7200/15E-86A0 | MVE 7200/18E-86A0 | D1 | 86A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/15E-86A0 | MVE 9000/18E-86A0 | D1 | 86A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 10000/15E-90A0 | MVE 10000/18E-90A0 | E1 | 90A0 | 728 | | 170 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 10000/15E-91A0 | MVE 10000/18E-91A0 | E1 | 91A0 | 728 | | 170 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 11500/15E-100A0 | MVE 11500/18E-100A0 | E | 100 | 890 | | 210 | | 140 | 440 | 45 | 6 | 530 | 484 | 37 | 232 | 446 | 470 | 424 |
| MVE 14500/15E-100A0 | MVE 14500/18E-100A0 | E | 100 | 890 | | 210 | | 140 | 440 | 45 | 6 | 530 | 484 | 37 | 232 | 446 | 470 | 424 |

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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The latest and most updated information are available online.

» Class II Div.2 Group F, G T4
» Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079- 31, CSA 22.2 N°100, CSA 22.2 N°77

# STANDARD RANGE

## MVE 6 POLES
### 1000/1200 rpm

Class II Div.2: Temp. Class **T4**
ExII 2D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

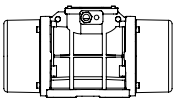
| Wm (Kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 9.5 | 6.6 | MVE 50/1E-30A0 | MVE 50/12E-30A0 | 53 | 53 | 10 | | 0.12 | 0.14 | 0.30 | 0.40 | Y | 2.2 | 2.2 | M20 | ● |
| 18.8 | 13.2 | MVE 100/1E-30A0 | MVE 100/12E-30A0 | 105 | 106 | 11 | | 0.12 | 0.14 | 0.30 | 0.40 | Y | 2.2 | 2.2 | M20 | ● |
| 33.5 | 23.4 | MVE 200/1E-40A0 | MVE 200/12E-40A0 | 187 | 188 | 19 | | 0.15 | 0.18 | 0.65 | 0.63 | Y | 2.2 | 2.2 | M20 | ● |
| 56.9 | 39.9 | MVE 300/1E-50A0 | MVE 300/12E-50A0 | 318 | 320 | 26 | | 0.25 | 0.30 | 0.67 | 0.64 | Y | 2.7 | 2.7 | M20 | ● |
| 91.9 | 64.3 | MVE 500/1E-50A0 | MVE 500/12E-50A0 | 513 | 517 | 34 | | 0.55 | 0.40 | 1.22 | 1.15 | Y | 3.0 | 2.9 | M20 | ● |
| 91.9 | 91.9 | MVE 510/1E-51A0 | MVE 510/12E-51A0 | 513 | 739 | 35 | | 0.55 | 0.40 | 1.22 | 1.15 | Y | 3.0 | 2.9 | M20 | ● |
| 137.4 | 108.6 | MVE 800/1E-60A0 | MVE 800/12E-60A0 | 767 | 873 | 65 | 62 | 0.75 | 0.80 | 1.42 | 1.32 | Y | 3.4 | 3.3 | M25 | ● |
| 187.7 | 137.3 | MVE 1100/1E-60A0 | MVE 1100/12E-60A0 | 1,048 | 1,104 | 70 | 65 | 0.75 | 0.80 | 1.42 | 1.32 | Y | 3.4 | 3.3 | M25 | ● |
| 284.8 | 196.5 | MVE 1500/1E-60A0 | MVE 1500/12E-60A0 | 1,590 | 1,580 | 84 | 73 | 0.90 | 1.08 | 1.80 | 2.00 | Y | 3.5 | 3.5 | M25 | ● |
| 299.6 | 203.5 | MVE 1600/1E-70A0 | MVE 1600/12E-70A0 | 1,673 | 1,636 | 90 | 79 | 0.90 | 1.08 | 2.40 | 2.30 | Y | 3.9 | 3.8 | M25 | ● |
| 373.1 | 248.7 | MVE 2100/1E-70A0 | MVE 2100/12E-70A0 | 2,083 | 2,000 | 105 | 91 | 1.50 | 1.80 | 3.00 | 3.20 | Y | 4.5 | 4.6 | M25 | ● |
| 467.4 | 306.7 | MVE 2600/1E-75A0 | MVE 2600/12E-75A0 | 2,610 | 2,466 | 146.5 | 126.5 | 1.96 | 2.10 | 4.10 | 4.00 | Y | 5.0 | 5.0 | M32 | ● |
| 540.3 | 379.7 | MVE 3000/1E-75A0 | MVE 3000/12E-75A0 | 3,017 | 3,053 | 155 | 138 | 2.20 | 2.40 | 4.50 | 4.30 | Y | 5.2 | 5.2 | M32 | ● |
| 702.5 | 465.6 | MVE 3700/1E-75A0 | MVE 3700/12E-75A0 | 3,797 | 3,744 | 159 | 142 | 2.20 | 2.40 | 4.50 | 4.30 | Y | 5.2 | 5.2 | M32 | ● |
| 680.4 | 437.4 | MVE 3800/1E-80A0 | MVE 3800/12E-80A0 | 3,799 | 3,517 | 216 | 195 | 2.50 | 3.00 | 5.50 | 5.30 | Y | 6.1 | 6.2 | M32 | ● |
| 838.3 | 584.2 | MVE 4700/1E-80A0 | MVE 4700/12E-80A0 | 4,681 | 4,697 | 220 | 201 | 3.20 | 3.90 | 6.50 | 6.95 | Y | 5.7 | 5.9 | M32 | ● |
| 936.4 | / | MVE 5200/1E-80A0 | / | 5,228 | / | 236 | / | 3.20 | / | 6.50 | / | Y | 5.7 | / | M32 | ● |
| 929.9 | 654.6 | MVE 5200/1E-85A0 | MVE 5200/12E-85A0 | 5,192 | 5,263 | 264 | 248 | 3.80 | 4.00 | 6.92 | 6.36 | Y | 5.7 | 5.7 | M32 | ● |
| 1,165.2 | 824.0 | MVE 6500/1E-85A0 | MVE 6500/12E-85A0 | 6,506 | 6,625 | 288 | 265 | 4.30 | 5.00 | 7.76 | 7.81 | Y | 6.4 | 6.2 | M32 | ● |
| 1,436.0 | 929.8 | MVE 8000/1E-85A0 | MVE 8000/12E-85A0 | 8,018 | 7,476 | 309 | 274 | 5.50 | 6.60 | 12.60 | 11.60 | Δ | 6.2 | 6.4 | M32 | ● |
| 1,600.4 | 1,165.2 | MVE 9000/1E-85A0 | MVE 9000/12E-85A0 | 8,936 | 9,369 | 322 | 291 | 6.20 | 7.45 | 13.20 | 12.60 | Δ | 6.5 | 6.4 | M32 | ● |
| 1,434.0 | 929.8 | MVE 8000/1E-86A0 | MVE 8000/12E-86A0 | 8,007 | 7,476 | 309 | 274 | 4.60 | 5.50 | 9.00 | 10.00 | Δ | 6.0 | 6.2 | M32 | ● |
| 1,598.0 | 1,165.2 | MVE 9000/1E-86A0 | MVE 9000/12E-86A0 | 8,923 | 9,369 | 322 | 291 | 4.60 | 5.50 | 9.00 | 10.00 | Δ | 6.0 | 6.2 | M32 | ● |
| 1,788.4 | 1,240.0 | MVE 10000/1E-90A0 | MVE 10000/12E-90A0 | 9,986 | 9,970 | 374 | 348 | 6.10 | 6.40 | 14.00 | 12.70 | Δ | 6.6 | 6.6 | M32 | ● |
| 2,329.8 | 1,647.4 | MVE 13000/1E-90A0 | MVE 13000/12E-90A0 | 13,009 | 13,246 | 411 | 364 | 7.50 | 8.30 | 16.40 | 16.00 | Δ | 6.4 | 6.5 | M32 | ● |
| 1,802.9 | 1,240.0 | MVE 10000/1E-91A0 | MVE 10000/12E-91A0 | 10,067 | 9,970 | 373 | 348 | 6.40 | 7.70 | 13.00 | 14.50 | Δ | 6.0 | 6.0 | M32 | ● |
| 2,056.9 | 1,433.0 | MVE 11400/1E-91A0 | MVE 11400/12E-91A0 | 11,485 | 11,522 | 404 | 361 | 6.40 | 7.70 | 13.00 | 14.50 | Δ | 6.0 | 6.0 | M32 | ● |
| 2,311.0 | 1,647.4 | MVE 13000/1E-91A0 | MVE 13000/12E-91A0 | 12,904 | 13,246 | 440 | 393 | 8.00 | 8.90 | 17.20 | 18.10 | Δ | 5.6 | 6.3 | M32 | ● |
| 2,253 | 1,550 | MVE 12000/1E-100A0 | MVE 12000/12E-100A0 | 12,580 | 12,466 | 522 | 476 | 8.00 | 9.50 | 15.00 | 15.00 | Δ | 5.0 | 5.5 | M32 | ● |
| 2,634 | 1,856 | MVE 15000/1E-105A0 | MVE 15000/12E-105A0 | 14,706 | 14,923 | 672 | 630 | 10.10 | 12.00 | 18.00 | 18.00 | Δ | 5.8 | 5.8 | M32 | ● |
| 3,220 | 2,147 | MVE 17500/1E-105A0 | MVE 17500/12E-105A0 | 17,980 | 17,264 | 744 | 684 | 11.90 | 14.20 | 21.00 | 21.00 | Δ | 5.6 | 5.9 | M32 | ● |
| 3,632 | 2,525 | MVE 19500/1E-105A0 | MVE 19500/12E-105A0 | 20,285 | 20,299 | 768 | 728 | 12.00 | 14.50 | 24.00 | 24.00 | Δ | 5.4 | 5.6 | M32 | ● |
| 4,067 | 2,622 | MVE 22000/1E-110A0 | MVE 22000/12E-110A0 | 22,711 | 21,079 | 916 | 868 | 13.90 | 17.00 | 28.00 | 28.00 | Δ | 4.8 | 5.3 | M32 | ● |
| 4,572 | 3,163 | MVE 25000/1E-110A0 | MVE 25000/12E-110A0 | 25,532 | 25,432 | 994 | 937 | 13.90 | 17.00 | 28.00 | 28.00 | Δ | 4.8 | 5.3 | M32 | ● |

UP TO SIZE 60 (NOT INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%

ABOVE SIZE 60 (INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



Technical drawings in the last page



| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | ØG | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 50/1E-30A0 | MVE 50/12E-30A0 | C | 30A0 | 274 | | 52 | | Multiple Footprint: 80 / 90 / 124 / 135 | 110 / 125 / 110 / 115 | 11 / 13 / 11 / 11 | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| MVE 100/1E-30A0 | MVE 100/12E-30A0 | C | 30A0 | 304 | | 67 | | Multiple Footprint: 80 / 90 / 124 / 135 | 110 / 125 / 110 / 115 | 11 / 13 / 11 / 11 | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| MVE 200/1E-40A0 | MVE 200/12E-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 300/1E-50A0 | MVE 300/12E-50A0 | D1 | 50A0 | 391 | | 97 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 500/1E-50A0 | MVE 500/12E-50A0 | D1 | 50A0 | 455 | | 129 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 510/1E-51A0 | MVE 510/12E-51A0 | D1 | 51A0 | 455 | | 129 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 800/1E-60A0 | MVE 800/12E-60A0 | D1 | 60A0 | 446 | | 112 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1100/1E-60A0 | MVE 1100/12E-60A0 | D1 | 60A0 | 490 | 446 | 134 | 112 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1500/1E-60A0 | MVE 1500/12E-60A0 | D1 | 60A0 | 566 | 490.0 | 172 | 134 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1600/1E-70A0 | MVE 1600/12E-70A0 | D1 | 70A0 | 563 | 501 | 154 | 123 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 2100/1E-70A0 | MVE 2100/12E-70A0 | D1 | 70A0 | 623 | 563 | 184 | 154 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 2600/1E-75A0 | MVE 2600/12E-75A0 | D1 | 75A0 | 692 | 584 | 205 | 151 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3000/1E-75A0 | MVE 3000/12E-75A0 | D1 | 75A0 | 692 | | 205 | | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3700/1E-75A0 | MVE 3700/12E-75A0 | D1 | 75A0 | 734 | 692 | 226 | 205 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3800/1E-80A0 | MVE 3800/12E-80A0 | D1 | 80A0 | 683 | 603 | 183 | 143 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 4700/1E-80A0 | MVE 4700/12E-80A0 | D1 | 80A0 | 733 | 683 | 208 | 183 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 5200/1E-80A0 | / | D1 | 80A0 | 733 | / | 208 | / | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 5200/1E-85A0 | MVE 5200/12E-85A0 | D1 | 85A0 | 704 | 624 | 170.0 | 130.0 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 6500/1E-85A0 | MVE 6500/12E-85A0 | D1 | 85A0 | 704 | | 170 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 8000/1E-85A0 | MVE 8000/12E-85A0 | D1 | 85A0 | 774 | 704 | 205 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/1E-85A0 | MVE 9000/12E-85A0 | D1 | 85A0 | 774 | 704 | 205 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 8000/1E-86A0 | MVE 8000/12E-86A0 | D1 | 86A0 | 774 | | 205 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/1E-86A0 | MVE 9000/12E-86A0 | D1 | 86A0 | 774 | | 205 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 10000/1E-90A0 | MVE 10000/12E-90A0 | E1 | 90A0 | 908 | 798 | 260 | 205 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 13000/1E-90A0 | MVE 13000/12E-90A0 | E1 | 90A0 | 948 | 798 | 280 | 205 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 10000/1E-91A0 | MVE 10000/12E-91A0 | E1 | 91A0 | 908 | | 260 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 11400/1E-91A0 | MVE 11400/12E-91A0 | E1 | 91A0 | 908 | | 260 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 13000/1E-91A0 | MVE 13000/12E-91A0 | E1 | 91A0 | 948 | | 280 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 12000/1E-100A0 | MVE 12000/12E-100A0 | E | 100 | 1,020 | | 275 | | 140 | 440 | 45 | 6 | 530 | 484 | 37 | 232 | 446 | 470 | 424 |
| MVE 15000/1E-105A0 | MVE 15000/12E-105A0 | H | 105 | 980 | | 210 | | 140 | 480 | 45 | 8 | 570 | 542 | 48 | 268 | 510 | 560 | 490 |
| MVE 17500/1E-105A0 | MVE 17500/12E-105A0 | H | 105 | 1,060 | | 250 | | 140 | 480 | 45 | 8 | 570 | 542 | 48 | 268 | 510 | 560 | 490 |
| MVE 19500/1E-105A0 | MVE 19500/12E-105A0 | H | 105 | 1,060 | | 250 | | 140 | 480 | 45 | 8 | 570 | 542 | 48 | 268 | 510 | 560 | 490 |
| MVE 22000/1E-110A0 | MVE 22000/12E-110A0 | H | 110 | 1,130 | | 285 | | 140 | 520 | 45 | 8 | 610 | 594 | 42 | 297 | 560 | 560 | 530 |
| MVE 25000/1E-110A0 | MVE 25000/12E-110A0 | H | 110 | 1,130 | | 285 | | 140 | 520 | 45 | 8 | 610 | 594 | 42 | 297 | 560 | 560 | 530 |

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

This information is provided without warranty, representation, inducement or licence of any kind. It is accurate to the best OLI knowledge or is obtained from sources believed to be accurate. OLI therefore assumes no legal responsibility.
The latest and most updated information are available online.

» Class II Div.2 Group F, G T4
» Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079- 31, CSA 22.2 N°100, CSA 22.2 N°77

# STANDARD RANGE

## MVE 8 POLES
### 750/900 rpm

Class II Div.2: Temp. Class **T4**
ExII 2D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

| Wm (Kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 33.4 | | MVE 150/075E-40A0 | MVE 150/090E-40A0 | 105 | 151 | 21 | | 0.23 | 0.25 | 1.14 | 1.14 | Y | 1.7 | 1.7 | M20 | ● |
| 56.9 | | MVE 250/075E-50A0 | MVE 250/090E-50A0 | 179 | 257 | 29 | | 0.25 | 0.30 | 0.90 | 0.89 | Y | 1.9 | 1.9 | M20 | ● |
| 84.0 | | MVE 400/075E-50A0 | MVE 400/090E-50A0 | 264 | 380 | 34 | | 0.25 | 0.30 | 0.90 | 0.89 | Y | 2.1 | 2.1 | M20 | ● |
| 137.3 | | MVE 650/075E-60A0 | MVE 650/090E-60A0 | 431 | 621 | 63 | | 0.37 | 0.45 | 1.20 | 1.20 | Y | 2.4 | 2.4 | M25 | ● |
| 187.7 | | MVE 900/075E-60A0 | MVE 900/090E-60A0 | 589 | 849 | 70 | | 0.55 | 0.54 | 1.23 | 1.29 | Y | 2.7 | 2.7 | M25 | ● |
| 299.6 | | MVE 1300/075E-70A0 | MVE 1300/090E-70A0 | 941 | 1,355 | 90 | | 0.75 | 0.90 | 2.20 | 2.20 | Y | 3.2 | 3.2 | M25 | ● |
| 467.4 | | MVE 2100/075E-75A0 | MVE 2100/090E-75A0 | 1,468 | 2,114 | 150 | | 1.00 | 1.20 | 2.81 | 2.89 | Y | 4.4 | 4.3 | M32 | ● |
| 680.3 | | MVE 3100/075E-80A0 | MVE 3100/090E-80A0 | 2,137 | 3,077 | 201 | | 2.00 | 2.30 | 4.50 | 4.40 | Y | 4.2 | 4.2 | M32 | ● |
| 838.4 | | MVE 3800/075E-80A0 | MVE 3800/090E-80A0 | 2,633 | 3,792 | 219 | | 2.50 | 3.00 | 6.00 | 6.00 | Y | 4.1 | 4.2 | M32 | ● |
| 929.7 | | MVE 4200/075E-85A0 | MVE 4200/090E-85A0 | 2,920 | 4,205 | 268 | | 2.90 | 3.40 | 6.50 | 6.50 | Y | 4.0 | 3.9 | M32 | ● |
| 1,165.2 | | MVE 5300/075E-85A0 | MVE 5300/090E-85A0 | 3,660 | 5,270 | 289 | | 3.70 | 4.30 | 8.00 | 8.20 | Y | 4.0 | 4.4 | M32 | ● |
| 1,435.9 | | MVE 6500/075E-85A0 | MVE 6500/090E-85A0 | 4,510 | 6,494 | 308 | | 3.80 | 4.20 | 8.78 | 8.30 | Y | 3.8 | 4.2 | M32 | ● |
| 2,200.4 | | MVE 10000/075E-90A0 | MVE 10000/090E-90A0 | 6,911 | 9,952 | 422 | | 6.80 | 7.50 | 13.50 | 12.50 | Δ | 3.7 | 4.4 | M32 | ● |
| 2,311.0 | | MVE 10000/075E-91A0 | MVE 10000/090E-91A0 | 7,258 | 10,452 | 422 | | 6.00 | 7.00 | 14.40 | 14.00 | Δ | 4.7 | 4.7 | M32 | ● |
| 2,835 | 2,553 | MVE 12000/075E-100A0 | MVE 12000/090E-100A0 | 8,904 | 11,546 | 571 | 553 | 7.50 | 8.00 | 13.50 | 13.50 | Δ | 3.8 | 4.0 | M32 | ● |
| 3,713 | 3,220 | MVE 14000/075E-105A0 | MVE 14000/090E-105A0 | 11,661 | 14,563 | 751 | 725 | 9.00 | 10.60 | 19.00 | 19.00 | Δ | 4.5 | 5.0 | M32 | ● |
| 4,401 | 3,920 | MVE 17000/075E-105A0 | MVE 17000/090E-105A0 | 13,822 | 17,729 | 812 | 792 | 9.10 | 11.00 | 20.00 | 20.00 | Δ | 5.3 | 5.8 | M32 | ● |
| 5,857 | 4,999 | MVE 22000/075E-110A0 | MVE 22000/090E-110A0 | 18,395 | 22,610 | 982 | 937 | 13.80 | 16.50 | 28.00 | 28.00 | Δ | 5.6 | 5.2 | M32 | ● |
| 6,662 | 5,857 | MVE 26000/075E-110A0 | MVE 26000/090E-110A0 | 20,924 | 26,489 | 1,016 | 982 | 13.80 | 16.50 | 28.00 | 28.00 | Δ | 5.6 | 5.2 | M32 | ● |

*SIZE 40A0*



*SIZE 50A0*



*SIZE 60A0*

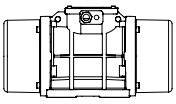


UP TO SIZE 90 (INCLUDED)
60Hz masses = 50Hz masses adjusted at 100%

ABOVE SIZE 90 (NOT INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

» II2D Ex tb IIIC Tx Db IP66
» Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
» Compliance with Essential Health and Safety Requirements
» IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



Technical drawings in the last page



| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | M | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz-60Hz | 50Hz-60Hz | | | | n° | | | | | | | |
| MVE 150/075E-40A0 | MVE 150/090E-40A0 | D1 | 40A0 | 330 | 78 | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 250/075E-50A0 | MVE 250/090E-50A0 | D1 | 50A0 | 391 | 97 | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 400/075E-50A0 | MVE 400/090E-50A0 | D1 | 50A0 | 455 | 129 | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 650/075E-60A0 | MVE 650/090E-60A0 | D1 | 60A0 | 446 | 112 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 900/075E-60A0 | MVE 900/090E-60A0 | D1 | 60A0 | 490 | 134 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1300/075E-70A0 | MVE 1300/090E-70A0 | D1 | 70A0 | 563 | 154 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 2100/075E-75A0 | MVE 2100/090E-75A0 | D1 | 75A0 | 692 | 205 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3100/075E-80A0 | MVE 3100/090E-80A0 | D1 | 80A0 | 683 | 183 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 3800/075E-80A0 | MVE 3800/090E-80A0 | D1 | 80A0 | 733 | 208 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 4200/075E-85A0 | MVE 4200/090E-85A0 | D1 | 85A0 | 704 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 5300/075E-85A0 | MVE 5300/090E-85A0 | D1 | 85A0 | 704 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 6500/075E-85A0 | MVE 6500/090E-85A0 | D1 | 85A0 | 774 | 205 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 10000/075E-90A0 | MVE 10000/090E-90A0 | E1 | 90A0 | 948 | 280 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 10000/075E-91A0 | MVE 10000/090E-91A0 | E1 | 91A0 | 948 | 280 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 12000/075E-100A0 | MVE 12000/090E-100A0 | E | 100 | 1,020 | 275 | 140 | 440 | 45 | 6 | 530 | 484 | 37 | 232 | 446 | 470 | 424 |
| MVE 14000/075E-105A0 | MVE 14000/090E-105A0 | H | 105 | 1,060 | 250 | 140 | 480 | 45 | 8 | 570 | 542 | 48 | 268 | 510 | 560 | 490 |
| MVE 17000/075E-105A0 | MVE 17000/090E-105A0 | H | 105 | 1,120 | 280 | 140 | 480 | 45 | 8 | 570 | 542 | 48 | 268 | 510 | 560 | 490 |
| MVE 22000/075E-110A0 | MVE 22000/090E-110A0 | H | 110 | 1,130 | 285 | 140 | 520 | 45 | 8 | 610 | 594 | 42 | 297 | 560 | 560 | 530 |
| MVE 26000/075E-110A0 | MVE 26000/090E-110A0 | H | 110 | 1.130 | 285 | 140 | 520 | 45 | 8 | 610 | 594 | 42 | 297 | 560 | 560 | 530 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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» Class II Div.2 Group F, G T4
» Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079- 31, CSA 22.2 N°100, CSA 22.2 N°77

# STANDARD RANGE

## MVE 2 POLES Single-Phase
### 3000/3600 rpm

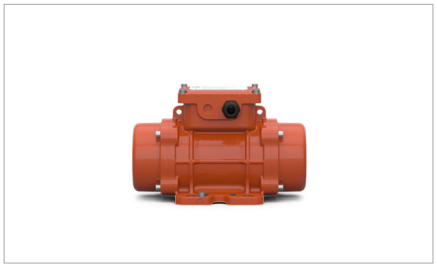
Class II Div.2: Temp. Class **T4**
ExII 2D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

| Wm (Kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Nominal Current A max | | Cable Gland | Capacitor * | | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (230V ) | 60Hz (115V) | Metric | 50Hz (230V) | 60Hz (115V) | |
| 1.3 | 1.0 | MVE 60/3E-10A0-M | MVE 60/36E-10A0-M | 66 | 71 | 4 | | 0.08 | 0.09 | 0.43 | 1.03 | M16 | 3.0 | 6.3 | ● |
| 2.0 | 1.3 | MVE 100/3E-10A0-M | MVE 100/36E-10A0-M | 98 | 95 | 5 | | 0.10 | 0.11 | 0.54 | 1.30 | M16 | 4.0 | 8.0 | ● |
| 3.7 | 2.6 | MVE 200/3E-20A0-M | MVE 200/36E-20A0-M | 187 | 189 | 7 | | 0.18 | 0.21 | 1.14 | 2.62 | M20 | 8.0 | 16.0 | ● |
| 3.7 | 2.6 | MVE 200/3E-23A0-M | MVE 200/36E-23A0-M | 187 | 189 | 7 | | 0.18 | 0.21 | 1.14 | 2.62 | M20 | 8.0 | 16.0 | ● |
| 6.4 | 4.5 | MVE 300/3E-30A0-M | MVE 300/36E-30A0-M | 321 | 323 | 10 | | 0.27 | 0.28 | 1.58 | 3.43 | M20 | 12.5 | 25.0 | ● |

** NOTE: Capacitor not supplied with vibrator (to be ordered separately)*

*SIZE 10A0*



*SIZE20A0*

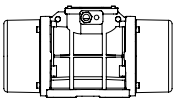


*SIZE 30A0*



To convert kg into Newton: N = 9.81 · kg

- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



Technical drawings in the last page



DIMENSIONAL SPECIFICATIONS (mm)

| Model | | Drawing | Size | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 60/3E-10A0-M | MVE 60/36E-10A0-M | A1 | 10A0 | 213 | | 45 | | Multiple Footprint | | | 4 | 130 | 135 | 11 | 50 | 96 | 107 | 85 |
| | | | | | | | | 62-74 | 106 | 9 | | | | | | | | |
| | | | | | | | | 33 | 83-102 | 7 | | | | | | | | |
| MVE 100/3E-10A0-M | MVE 100/36E-10A0-M | A1 | 10A0 | 213 | | 45 | | Multiple Footprint | | | 4 | 130 | 135 | 11 | 50 | 96 | 107 | 85 |
| | | | | | | | | 62-74 | 106 | 9 | | | | | | | | |
| | | | | | | | | 33 | 83-102 | 7 | | | | | | | | |
| MVE 200/3E-20A0-M | MVE 200/36E-20A0-M | B1 | 20A0 | 233 | | 54 | | 62-74 | 106 | 9 | 4 | 130 | 154 | 15 | 65 | 125 | 120 | 112 |
| MVE 200/3E-23A0-M | MVE 200/36E-23A0-M | G | 23A0 | 222 | | 55 | | Multiple Footprint | | | 4 | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| | | | | | | | | 62-74 | 106 | 9 | | | | | | | | |
| | | | | | | | | 65 | 140 | 13 | | | | | | | | |
| | | | | | | | | 115 | 135 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |
| MVE 300/3E-30A0-M | MVE 300/36E-30A0-M | C1 | 30A0 | 254 | | 42 | | Multiple Footprint | | | 4 | 154 | 173 | 15 | 79 | 150 | 166 | 134 |
| | | | | | | | | 80 | 110 | 11 | | | | | | | | |
| | | | | | | | | 90 | 125 | 13 | | | | | | | | |
| | | | | | | | | 124 | 110 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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# STANDARD RANGE

## MVE-MICRO
### 3000/3600 rpm

Class II Div.2: Temp. Class **T4**
II 3D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

## THREE-PHASE

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Nominal Current A max | | | * Terminal Connection | Cable Gland |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (230V) | 50Hz (400V) | 60Hz (460V) | | Metric |
| 0.4 | 0.4 | MVE 21/3E-MICRO | MVE 21/36E-MICRO | 20 | 29 | 2 | | 0.04 | 0.04 | 0.21 | 0.12 | 0.12 | Y | M16 ● |
| 0.9 | 0.9 | MVE 41/3E-MICRO | MVE41/36E-MICRO | 45 | 65 | 2 | | 0.06 | 0.06 | 0.30 | 0.18 | 0.18 | Y | M16 ● |

## SINGLE-PHASE

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Nominal Current A max | | Cable Gland * |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (230V) | 60Hz (115V) | Metric |
| 0.1 | 0.1 | MVE 3/3E-MICRO-M | MVE 3/36E-MICRO-M | 4 | 6 | 1.6 | | 0.03 | 0.04 | 0.30 | 0.80 | M16 ● |
| 0.1 | 0.1 | MVE 6/3E-MICRO-M | MVE 6/36E-MICRO-M | 6 | 9 | 1.6 | | 0.03 | 0.04 | 0.30 | 0.80 | M16 ● |
| 0.4 | 0.4 | MVE 21/3E-MICRO-M | MVE 21/36E-MICRO-M | 20 | 29 | 2 | | 0.04 | 0.07 | 0.20 | 0.80 | M16 ● |
| 0.9 | 0.9 | MVE 41/3E-MICRO-M | MVE 41/36E-MICRO-M | 45 | 65 | 2.4 | | 0.05 | 0.07 | 0.25 | 0.80 | M16 ● |

*MICRO*

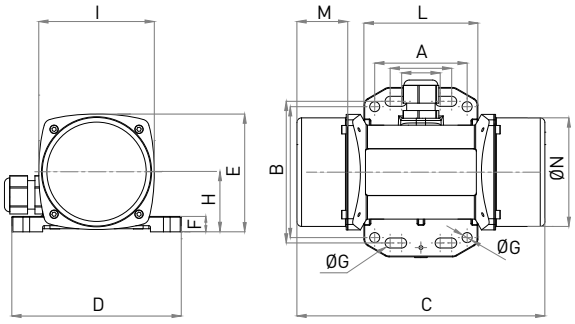


*NOTE: Capacitor integrated in the cable*

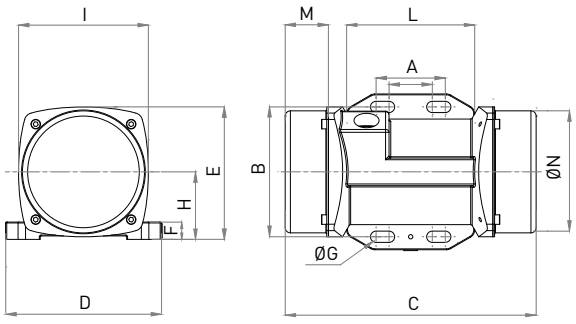
To convert kg into Newton: N = 9.81 · kg

- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31

**F**




**I**




| Model | | Drawing | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C | M | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | 50Hz | 50Hz | | | | N° | | | | | | | |
| MVE 21/3E-MICRO | MVE21/36E-MICRO | F | 145 | 25 | Multiple Footprint: 25-40 / 92 / 6.5; 60 / 85 / 6.5 | | | 4 | 110 | 76 | 10 | 39 | 75 | 74 | 70 |
| MVE 41/3E-MICRO | MVE 41/36E-MICRO | F | 161 | 33 | Multiple Footprint: 25-40 / 92 / 6.5; 60 / 85 / 6.5 | | | 4 | 110 | 76 | 10 | 39 | 75 | 74 | 70 |

| Model | | Drawing | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C | M | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | 50Hz | 50Hz | | | | N° | | | | | | | |
| MVE 3/3E-MICRO-M | MVE 3/36E-MICRO-M | F | 145 | 25 | Multiple Footprint: 25-40 / 92 / 6.5; 60 / 85 / 6.5 | | | 4 | 110 | 76 | 10 | 39 | 75 | 74 | 70 |
| MVE 6/3E-MICRO-M | MVE 6/36E-MICRO-M | I | 145 | 25 | Multiple Footprint: 25-40 / 75 / 6.5; - / - / - | | | 4 | 90 | 76 | 10 | 39 | 75 | 74 | 70 |
| MVE 21/3E-MICRO-M | MVE 21/36E-MICRO-M | F | 145 | 25 | Multiple Footprint: 25-40 / 92 / 6.5; 60 / 85 / 6.5 | | | 4 | 110 | 76 | 10 | 39 | 75 | 74 | 70 |
| MVE 41/3E-MICRO-M | MVE 41/36E-MICRO-M | F | 161 | 25 | Multiple Footprint: 25-40 / 92 / 6.5; 60 / 85 / 6.5 | | | 4 | 110 | 76 | 10 | 39 | 75 | 74 | 70 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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» Class II Div.2 Group F, G T4
» Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079- 31, CSA 22.2 N°100, CSA 22.2 N°77

# STANDARD RANGE

## MVE-DC DIRECT CURRENT
### 3000 rpm

II 3D Temp. Class: ● 100 °C

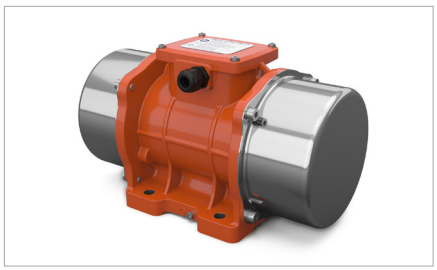
| Wm (kgcm) | Model | rpm | Centrifugal Force (kg) | Weight (kg) | ELECTRICAL SPECIFICATIONS | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Input Power (kW) | Nominal Current A max | Cable Gland | |
| 1.0 | MVE 50/3N-DC-10A0-12V | 3,000 | 50 | 4.4 | 0.08 | 6.60 | M16 | ● |
| 1.0 | MVE 50/3N-DC-10A0-24V | 3,000 | 50 | 4.4 | 0.08 | 3.30 | M16 | ● |
| 1.1 | MVE 120/3N-DC-23A0-12V | 3,000 | 117 | 5.9 | 0.12 | 9.50 | M20 | ● |
| 1.1 | MVE 120/3N-DC-23A0-24V | 3,000 | 117 | 5.9 | 0.12 | 4.80 | M20 | ● |
| 4.2 | MVE 200/3N-DC-23A0-12V | 3,000 | 200 | 6.3 | 0.16 | 13.30 | M20 | ● |
| 4.2 | MVE 200/3N-DC-23A0-24V | 3,000 | 200 | 6.3 | 0.16 | 6.70 | M20 | ● |
| 10.4 | MVE 500/3N-DC-40A0-24V | 3,000 | 530 | 15.8 | 0.26 | 11.00 | M20 | ● |
| 22.4 | MVE 1500/3N-DC-50A0-24V | 3,000 | 1,616 | 23 | 0.52 | 21.50 | M20 | ● |
| 22,4 | MVE 1500/3N-BL-50A0-24V * | 3.000 | 1.616 | 23 | 0,5 | 20 | M20 | ● |

** Brushless*

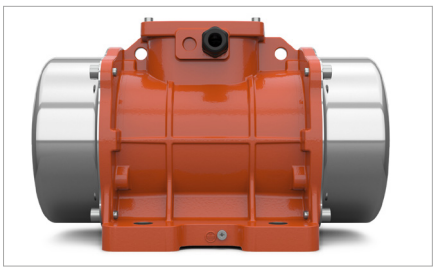
*SIZE 23A0*



*SIZE 40A0*

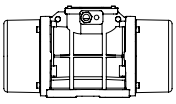


*SIZE 50A0*



To convert kg into Newton: N = 9.81 · kg

- II3D Ex tc IIIC Tx IP69K
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- EN 60079-0, EN 60079-31



Technical drawings in the last page



| Model | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C | M | A | B | Ø G | Holes N° | D | E | F | H | I | L | N |
| MVE 50/3N-DC-10A0-12V | A | 10A0 | 213 | 45 | Multiple Footprint: 62-74 / 106 / 9; 33 / 83-102 / 7 | | | 4 | 130 | 136 | 12 | 48 | 94 | 121 | 85 |
| MVE 50/3N-DC-10A0-24V | A | 10A0 | 213 | 45 | | | | 4 | 130 | 136 | 12 | 48 | 94 | 121 | 85 |
| MVE 120/3N-DC-23A0-12V | G | 23A0 | 218 | 53 | Multiple Footprint: 62-74 / 106 / 9; 65 / 140 / 13; 115 / 135 / 11; 135 / 115 / 11 | | | 4 | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| MVE 120/3N-DC-23A0-24V | G | 23A0 | 218 | 53 | | | | 4 | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| MVE 200/3N-DC-23A0-12V | G | 23A0 | 218 | 53 | | | | 4 | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| MVE 200/3N-DC-23A0-24V | G | 23A0 | 218 | 53 | | | | 4 | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| MVE 500/3N-DC-40A0-24V | D1 | 40A0 | 330 | 78 | 105 | 140 | 13 | 4 | 170 | 195 | 15 | 92 | 174 | 166 | 160 |
| MVE 1500/3N-DC-50A0-24V | D1 | 50A0 | 324 | 63 | 120 | 170 | 18 | 4 | 208 | 210 | 18 | 96 | 185 | 192 | 165 |


| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MVE 1500/3N-DC-50A0-24V | D1 | 50A0 | 324 | 63 | 120 | 170 | 18 | 4 | 208 | 210 | 18 | 96 | 185 | 192 | 165 |


## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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# INCREASED SAFETY

## MVE-Exe 2 POLES
### 3000/3600 rpm

Ex II 2G: Temp. Class **T3** - ExII 2D Temp. Class: ● 100 °C ● 135 °C
Class II Div.2: Temp. Class **T4**
EX e, tE: **5**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50 Hz | 60 Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 3.7 | 2.6 | MVE 200/3X-20A0 | MVE 200/36X-20A0 | 187 | 189 | 7 | | 0.15 | 0.18 | 0.35 | 0.30 | Y | 3. | 3.5 | M20 | ● |
| 6.4 | 4.5 | MVE 300/3X-30A0 | MVE 300/36X-30A0 | 321 | 323 | 10 | | 0.25 | 0.28 | 0.52 | 0.45 | Y | 3.8 | 3.7 | M20 | ● |
| 8.0 | 5.7 | MVE 400/3X-30A0 | MVE 400/36X-30A0 | 407 | 411 | 10 | | 0.27 | 0.33 | 0.58 | 0.60 | Y | 3.7 | 3.7 | M20 | ● |
| 10.3 | 7.4 | MVE 500/3X-40A0 | MVE 500/36X-40A0 | 530 | 534 | 16 | | 0.50 | 0.58 | 0.96 | 0.97 | Y | 4.2 | 4.4 | M20 | ● |
| 14.9 | 10.6 | MVE 700/3X-40A0 | MVE 700/36X-40A0 | 758 | 765 | 17 | | 0.59 | 0.61 | 1.25 | 1.24 | Y | 4.5 | 5.2 | M20 | ● |
| 15.7 | 11.1 | MVE 800/3X-50A0 | MVE 800/36X-50A0 | 794 | 800 | 20 | | 0.70 | 0.84 | 1.45 | 1.50 | Y | 4.0 | 4.0 | M20 | ● |
| 20.3 | 14.0 | MVE 1200/3X-50A0 | MVE 1200/36X-50A0 | 1,005 | 1,013 | 21 | | 0.95 | 1.15 | 1.85 | 1.95 | Y | 4.6 | 4.7 | M20 | ● |
| 26.6 | 18.6 | MVE 1300/3X-50A0 | MVE 1300/36X-50A0 | 1,355 | 1,365 | 22 | | 1.30 | 1.38 | 2.44 | 2.25 | Y | 5.4 | 5.2 | M20 | ● |
| 31.3 | 22.2 | MVE 1600/3X-60A0 | MVE 1600/36X-60A0 | 1,601 | 1,608 | 51 | 50 | 1.54 | 1.60 | 2.94 | 2.61 | Y | 6.1 | 6.4 | M25 | ● |
| 36.8 | 27.6 | MVE 2000/3X-60A0 | MVE 2000/36X-60A0 | 2,027 | 1,997 | 52 | 50 | 2.10 | 2.10 | 3.75 | 3.42 | Y | 6.7 | 6.6 | M25 | ● |
| 46.0 | 31.9 | MVE 2300/3X-60A0 | MVE 2300/36X-60A0 | 2,302 | 2,306 | 53 | 51 | 2.40 | 2.45 | 4.44 | 3.45 | Y | 6.2 | 6.5 | M25 | ● |
| 68.1 | 43.9 | MVE 3200/3X-75A1 | MVE 3200/36X-75A1 | 3,252 | 3,176 | 103 | 101 | 2.76 | 2.90 | 5.30 | 4.61 | Y | 8.5 | 8.4 | M32 | ● |
| 79.4 | 56.0 | MVE 4000/3X-75A1 | MVE 4000/36X-75A1 | 4,033 | 4,052 | 107 | 104 | 2.90 | 2.90 | 5.30 | 4.61 | Y | 8.7 | 9.9 | M32 | ● |

*SIZE 40A0*



*SIZE 50A0*



*SIZE 60A0*

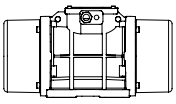


UP TO SIZE 60 (NOT INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%

ABOVE SIZE 60 (INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II 2D Ex tb IIIC Tx Db IP66
- II 2G Ex eb IIC T3 Gb
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21 - Zone 1) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-7



Technical drawings in the last page

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 200/3X-20A0 | MVE 200/36X-20A0 | B1 | 20A0 | 233 | | 54 | | 62-74 | 106 | 9 | 4 | 130 | 154 | 15 | 65 | 125 | 120 | 112 |
| MVE 300/3X-30A0 | MVE 300/36X-30A0 | C1 | 30A0 | 254 | | 42 | | Multiple Footprint | | | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| | | | | | | | | 80 | 110 | 11 | | | | | | | | |
| | | | | | | | | 90 | 125 | 13 | | | | | | | | |
| | | | | | | | | 124 | 110 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |
| MVE 400/3X-30A0 | MVE 400/36X-30A0 | C1 | 30A0 | 274 | | 52 | | Multiple Footprint | | | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| | | | | | | | | 80 | 110 | 11 | | | | | | | | |
| | | | | | | | | 90 | 125 | 13 | | | | | | | | |
| | | | | | | | | 124 | 110 | 11 | | | | | | | | |
| | | | | | | | | 135 | 115 | 11 | | | | | | | | |
| MVE 500/3X-40A0 | MVE 500/36X-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 169 | 166 | 158 |
| MVE 700/3X-40A0 | MVE 700/36X-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 169 | 166 | 158 |
| MVE 800/3X-50A0 | MVE 800/36X-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1200/3X-50A0 | MVE 1200/36X-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1300/3X-50A0 | MVE 1300/36X-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1600/3X-60A0 | MVE 1600/36X-60A0 | D1 | 60A0 | 402 | | 90 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2000/3X-60A0 | MVE 2000/36X-60A0 | D1 | 60A0 | 402 | | 90 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2300/3X-60A0 | MVE 2300/36X-60A0 | D1 | 60A0 | 402 | | 90 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 3200/3X-75A1 | MVE 3200/36X-75A1 | D1 | 75A1 | 516 | | 117 | | 155 | 255 | 25 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 4000/3X-75A1 | MVE 4000/36X-75A1 | D1 | 75A1 | 516 | | 117 | | 155 | 255 | 25 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

This information is provided without warranty, representation, inducement or licence of any kind. It is accurate to the best OLI knowledge or is obtained from sources believed to be accurate. OLI therefore assumes no legal responsibility. The latest and most updated information are available online.

- Class I, Div.2 Group A, B, C, D T3
- Class II Div.2 Group F, G T4
- Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079-31, CSA 22.2 N°100, CSA 22.2 N°77, CSA 22.2 N°60079-7

# INCREASED SAFETY

## MVE-Exe 4 POLES
### 1500/1800 rpm

Ex II 2G: Temp. Class **T3** - ExII 2D Temp. Class: ● 100 °C ● 135 °C
Class II Div.2: Temp. Class **T4**
EX e, tE: **5**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 15.4 | 10.8 | MVE 200/15X-30A0 | MVE 200/18X-30A0 | 194 | 196 | 12 | | 0.12 | 0.15 | 0.49 | 0.50 | Y | 2.2 | 2.2 | M20 | ● |
| 33.4 | 23.4 | MVE 400/15X-40A0 | MVE 400/18X-40A0 | 420 | 423 | 20 | | 0.27 | 0.32 | 0.84 | 0.86 | Y | 2.7 | 2.7 | M20 | ● |
| 40.1 | 28.1 | MVE 500/15X-40A0 | MVE 500/18X-40A0 | 504 | 508 | 21 | | 0.35 | 0.40 | 1.06 | 1.09 | Y | 3.0 | 2.9 | M20 | ● |
| 26.6 | 18.6 | MVE 300/15X-50A0 | MVE 300/18X-50A0 | 334 | 336 | 22 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 56.8 | 39.4 | MVE 700/15X-50A0 | MVE 700/18X-50A0 | 714 | 712 | 27 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 56.8 | 39.4 | MVE 710/15X-50A0 | MVE 710/18X-50A0 | 714 | 712 | 27 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 75.6 | 52.9 | MVE 950/15X-50A0 | MVE 950/18X-50A0 | 950 | 957 | 33 | | 0.64 | 0.77 | 1.40 | 1.35 | Y | 4.2 | 4.2 | M20 | ● |
| 87.7 | 61.4 | MVE 1100/15X-51A0 | MVE 1100/18X-51A0 | 1,102 | 1,110 | 35 | 28.5 | 0.64 | 0.77 | 1.40 | 1.35 | Y | 4.0 | 4.0 | M20 | ● |
| 108.6 | 76.7 | MVE 1400/15X-60A0 | MVE 1400/18X-60A0 | 1,364 | 1,388 | 63 | 60 | 0.70 | 0.84 | 1.78 | 1.78 | Y | 4.2 | 4.2 | M25 | ● |
| 137.3 | 92.0 | MVE 1700/15X-60A0 | MVE 1700/18X-60A0 | 1,725 | 1,664 | 62 | 59 | 1.13 | 1.30 | 2.16 | 2.09 | Y | 4.9 | 4.7 | M25 | ● |
| 187.7 | 137.4 | MVE 2400/15X-60A0 | MVE 2400/18X-60A0 | 2,358 | 2,485 | 77 | 69.5 | 1.57 | 1.88 | 3.20 | 3.20 | Y | 5.1 | 5.1 | M25 | ● |
| 203.5 | 135.6 | MVE 2500/15X-70A0 | MVE 2500/18X-70A0 | 2,557 | 2,454 | 80 | 74 | 1.76 | 2.00 | 3.08 | 3.00 | Y | 6.2 | 6.3 | M25 | ● |
| 248.7 | 169.8 | MVE 3000/15X-70A0 | MVE 3000/18X-70A0 | 3,124 | 3,071 | 94 | 87 | 1.90 | 2.30 | 3.68 | 3.30 | Y | 6.7 | 6.8 | M25 | ● |
| 306.7 | 204.7 | MVE 3800/15X-75A0 | MVE 3800/18X-75A0 | 3,853 | 3,704 | 146 | | 2.20 | 2.60 | 4.15 | 4.15 | Y | 7.0 | 7.0 | M32 | ● |
| 343.2 | 240.9 | MVE 4300/15X-75A0 | MVE 4300/18X-75A0 | 4,312 | 4,359 | 136 | 125 | 2.50 | 3.00 | 4.50 | 4.60 | Y | 7.2 | 7.4 | M32 | ● |
| 437.4 | 303.7 | MVE 5500/15X-80A0 | MVE 5500/18X-80A0 | 5,495 | 5,495 | 181 | 169 | 2.88 | 3.45 | 6.50 | 5.50 | Y | 7.3 | 7.2 | M32 | ● |
| 576.8 | 397.3 | MVE 7200/15X-85A0 | MVE 7200/18X-85A0 | 7,246 | 7,188 | 237 | 231 | 4.00 | 4.80 | 8.50 | 8.70 | Δ | 7.0 | 7.1 | M32 | ● |
| 718.0 | 498.8 | MVE 9000/15X-85A0 | MVE 9000/18X-85A0 | 9,020 | 9,023 | 252 | 241 | 7.35 | 8.50 | 13.40 | 12.00 | Δ | 7.2 | 7.2 | M32 | ● |
| 579.9 | 406.0 | MVE 7200/15X-86A0 | MVE 7200/18X-86A0 | 7,286 | 7,345 | 237 | 231 | 6.00 | 6.50 | 11.00 | 10.80 | Δ | 4.7 | 4.5 | M32 | ● |
| 724.8 | 507.0 | MVE 9000/15X-86A0 | MVE 9000/18X-86A0 | 9,106 | 9,172 | 252 | 241 | 6.00 | 6.50 | 11.00 | 10.80 | Δ | Δ | 4.5 | M32 | ● |
| 800.1 | 588.3 | MVE 10000/15X-90A0 | MVE 10000/18X-90A0 | 10,052 | 10,643 | 300 | 286 | 5.40 | 7.00 | 13.00 | 13.00 | Δ | 6.7 | 6.6 | M32 | ● |
| 835.7 | 581.3 | MVE 10000/15X-91A0 | MVE 10000/18X-91A0 | 10,499 | 10,517 | 300 | 286 | 7.00 | 8.20 | 13.10 | 13.10 | Δ | 7.2 | 7.7 | M32 | ● |

*SIZE 70A0*



*SIZE 75A0*



*SIZE 80A0*

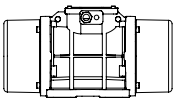


UP TO SIZE 60 (NOT INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%
Except for model MVE 1100/15E - 1100/18E

ABOVE SIZE 60 (INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II 2D Ex tb IIIC Tx Db IP66
- II 2G Ex eb IIC T3 Gb
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21 - Zone 1) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-7



Technical drawings in the last page



DIMENSIONAL SPECIFICATIONS (mm)

| Model | | Drawing | Size | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 200/15X-30A0 | MVE 200/18X-30A0 | C | 30A0 | 274 | | 52 | | Multiple Footprint: 80 / 90 / 124 / 135 | 110 / 125 / 110 / 115 | 11 / 13 / 11 / 11 | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| MVE 400/15X-40A0 | MVE 400/18X-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 500/15X-40A0 | MVE 500/18X-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 300/15X-50A0 | MVE 300/18X-50A0 | D1 | 50A0 | 321 | | 62 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 700/15X-50A0 | MVE 700/18X-50A0 | D1 | 50A0 | 391 | | 97 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 710/15X-50A0 | MVE 710/18X-50A0 | D1 | 50A0 | 391 | | 97 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 950/15X-50A0 | MVE 950/18X-50A0 | D1 | 50A0 | 455 | | 129 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 1100/15X-51A0 | MVE 1100/18X-51A0 | D1 | 51A0 | 414 | | 106 | | 120 | 170 | 17 | 4 | 208 | 220 | 25 | 105 | 202 | 192 | 187 |
| MVE 1400/15X-60A0 | MVE 1400/18X-60A0 | D1 | 60A0 | 446 | | 112 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1700/15X-60A0 | MVE 1700/18X-60A0 | D1 | 60A0 | 446 | | 112 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2400/15X-60A0 | MVE 2400/18X-60A0 | D1 | 60A0 | 490 | 446 | 134 | 112 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 2500/15X-70A0 | MVE 2500/18X-70A0 | D1 | 70A0 | 501 | | 123 | | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 3000/15X-70A0 | MVE 3000/18X-70A0 | D1 | 70A0 | 535 | 501 | 140 | 123 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 3800/15X-75A0 | MVE 3800/18X-75A0 | D1 | 75A0 | 564 | 536 | 151 | 117 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 4300/15X-75A0 | MVE 4300/18X-75A0 | D1 | 75A0 | 584 | 564 | 151 | 141 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 5500/15X-80A0 | MVE 5500/18X-80A0 | E1 | 80A0 | 603 | | 143 | | 180 | 280 | 26 | 4 | 332 | 360 | 37 | 167 | 345 | 304 | 310 |
| MVE 7200/15X-85A0 | MVE 7200/18X-85A0 | D1 | 85A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/15X-85A0 | MVE 9000/18X-85A0 | D1 | 85A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 7200/15X-86A0 | MVE 7200/18X-86A0 | D1 | 86A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/15X-86A0 | MVE 9000/18X-86A0 | D1 | 86A0 | 624 | | 130 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 10000/15X-90A0 | MVE 10000/18X-90A0 | E1 | 90A0 | 728 | | 170 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 10000/15X-91A0 | MVE 10000/18X-91A0 | E1 | 91A0 | 728 | | 170 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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- Class I, Div.2 Group A, B, C, D T3
- Class II Div.2 Group F, G T4
- Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079-31, CSA 22.2 N°100, CSA 22.2 N°77, CSA 22.2 N°60079-7

# INCREASED SAFETY

## MVE-Exe 6 POLES
### 1000/1200 rpm

Ex II 2G: Temp. Class **T3** - ExII 2D Temp. Class: ● 100 °C ● 135 °C
Class II Div.2: Temp. Class **T4**
EX e, tE: **5**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

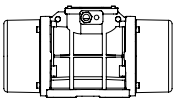
| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 9.5 | 6.6 | MVE 50/1X-30A0 | MVE 50/12X-30A0 | 53 | 53 | 10 | | 0.12 | 0.14 | 0.30 | 0.40 | Y | 2.2 | 2.2 | M20 | ● |
| 18.8 | 13.2 | MVE 100/1X-30A0 | MVE 100/12X-30A0 | 105 | 106 | 11 | | 0.12 | 0.14 | 0.30 | 0.40 | Y | 2.2 | 2.2 | M20 | ● |
| 33.5 | 23.4 | MVE 200/1X-40A0 | MVE 200/12X-40A0 | 187 | 188 | 19 | | 0.15 | 0.18 | 0.65 | 0.63 | Y | 2.2 | 2.2 | M20 | ● |
| 56.9 | 39.9 | MVE 300/1X-50A0 | MVE 300/12X-50A0 | 318 | 320 | 26 | | 0.25 | 0.30 | 0.67 | 0.64 | Y | 2.7 | 2.7 | M20 | ● |
| 91.9 | 64.3 | MVE 500/1X-50A0 | MVE 500/12X-50A0 | 513 | 517 | 34 | | 0.55 | 0.40 | 1.22 | 1.15 | Y | 3.0 | 2.9 | M20 | ● |
| 91.9 | 91.9 | MVE 510/1X-51A0 | MVE 510/12X-51A0 | 513 | 739 | 34 | | 0.55 | 0.40 | 1.20 | 1.15 | Y | 3.0 | 2.9 | M20 | ● |
| 137.4 | 108.6 | MVE 800/1X-60A0 | MVE 800/12X-60A0 | 767 | 873 | 65 | 62 | 0.75 | 0.80 | 1.42 | 1.32 | Y | 3.4 | 3.3 | M25 | ● |
| 187.7 | 137.3 | MVE 1100/1X-60A0 | MVE 1100/12X-60A0 | 1,048 | 1,104 | 70 | 65 | 0.75 | 0.80 | 1.42 | 1.32 | Y | 3.4 | 3.3 | M25 | ● |
| 284.8 | 196.5 | MVE 1500/1X-60A0 | MVE 1500/12X-60A0 | 1,590 | 1,580 | 84 | 73 | 0.90 | 1.08 | 1.80 | 2.00 | Y | 3.5 | 3.5 | M25 | ● |
| 299.6 | 203.5 | MVE 1600/1X-70A0 | MVE 1600/12X-70A0 | 1,673 | 1,636 | 90 | 79 | 0.90 | 1.08 | 2.40 | 2.30 | Y | 3.9 | 3.8 | M25 | ● |
| 373.1 | 248.7 | MVE 2100/1X-70A0 | MVE 2100/12X-70A0 | 2,083 | 2,000 | 105 | 91 | 1.50 | 1.80 | 3.00 | 3.20 | Y | 4.5 | 4.6 | M25 | ● |
| 467.4 | 306.7 | MVE 2600/1X-75A0 | MVE 2600/12X-75A0 | 2,610 | 2,466 | 146.5 | 126.5 | 1.96 | 2.10 | 4.10 | 4.00 | Y | 5.0 | 5.0 | M32 | ● |
| 540.3 | 379.7 | MVE 3000/1X-75A0 | MVE 3000/12X-75A0 | 3,017 | 3,053 | 155 | 138 | 2.20 | 2.40 | 4.50 | 4.30 | Y | 5.2 | 5.2 | M32 | ● |
| 702.5 | 465.6 | MVE 3700/1X-75A0 | MVE 3700/12X-75A0 | 3,797 | 3,744 | 159 | 142 | 2.20 | 2.40 | 4.50 | 4.30 | Y | 5.2 | 5.2 | M32 | ● |
| 680.4 | 437.4 | MVE 3800/1X-80A0 | MVE 3800/12X-80A0 | 3,799 | 3,517 | 216 | 195 | 2.50 | 3.00 | 5.50 | 5.30 | Y | 6.1 | 6.2 | M32 | ● |
| 838.3 | 584.2 | MVE 4700/1X-80A0 | MVE 4700/12X-80A0 | 4,681 | 4,697 | 220 | 201 | 3.20 | 3.90 | 6.50 | 6.95 | Y | 5.7 | 5.9 | M32 | ● |
| 929.9 | 654.6 | MVE 5200/1X-85A0 | MVE 5200/12X-85A0 | 5,192 | 5,263 | 264 | 248 | 3.80 | 4.00 | 6.92 | 6.36 | Y | 5.7 | 5.7 | M32 | ● |
| 1,165.2 | 824.0 | MVE 6500/1X-85A0 | MVE 6500/12X-85A0 | 6,506 | 6,625 | 288 | 265 | 4.30 | 5.00 | 7.76 | 7.81 | Y | 6.4 | 6.2 | M32 | ● |
| 1,436.0 | 929.8 | MVE 8000/1X-85A0 | MVE 8000/12X-85A0 | 8,018 | 7,476 | 309 | 274 | 5.50 | 6.60 | 12.60 | 11.60 | Δ | 6.2 | 6.4 | M32 | ● |
| 1,600.4 | 1,165.2 | MVE 9000/1X-85A0 | MVE 9000/12X-85A0 | 8,936 | 9,369 | 322 | 291 | 6.20 | 7.45 | 13.20 | 12.60 | Δ | 6.5 | 6.4 | M32 | ● |
| 1,434.0 | 929.8 | MVE 8000/1X-86A0 | MVE 8000/12X-86A0 | 8,007 | 7,476 | 309 | 274 | 4.60 | 5.50 | 9.00 | 10.00 | Δ | 6.0 | 6.2 | M32 | ● |
| 1,598.0 | 1,165.2 | MVE 9000/1X-86A0 | MVE 9000/12X-86A0 | 8,923 | 9,369 | 322 | 291 | 4.60 | 5.50 | 9.00 | 10.00 | Δ | 6.0 | 6.2 | M32 | ● |
| 1,788.4 | 1,240.0 | MVE 10000/1X-90A0 | MVE 10000/12X-90A0 | 9,986 | 9,970 | 374 | 348 | 6.10 | 6.40 | 14.00 | 12.70 | Δ | 6.6 | 6.6 | M32 | ● |
| 2,329.8 | 1,647.4 | MVE 13000/1X-90A0 | MVE 13000/12X-90A0 | 13,009 | 13,246 | 411 | 364 | 7.50 | 8.30 | 16.40 | 16.00 | Δ | 6.4 | 6.5 | M32 | ● |
| 1,802.9 | 1,240.0 | MVE 10000/1X-91A0 | MVE 10000/12X-91A0 | 10,067 | 9,970 | 373 | 348 | 6.40 | 7.70 | 13.00 | 14.50 | Δ | 6.0 | 6.0 | M32 | ● |
| 2,056.9 | 1,433.0 | MVE 11400/1X-91A0 | MVE 11400/12X-91A0 | 11,485 | 11,522 | 404 | 361 | 6.40 | 7.70 | 13.00 | 7.50 | Δ | 6.0 | 6.0 | M32 | ● |

UP TO SIZE 60 (NOT INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%

ABOVE SIZE 60 (INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II 2D Ex tb IIIC Tx Db IP66
- II 2G Ex eb IIC T3 Gb
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21 - Zone 1) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-7



Technical drawings in the last page

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 50/1X-30A0 | MVE 50/12X-30A0 | C | 30A0 | 274 | | 52 | | Multiple Footprint<br>80 / 110 / 11<br>90 / 125 / 13<br>124 / 110 / 11<br>135 / 115 / 11 | | | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| MVE 100/1X-30A0 | MVE 100/12X-30A0 | C | 30A0 | 304 | | 67 | | Multiple Footprint<br>80 / 110 / 11<br>90 / 125 / 13<br>124 / 110 / 11<br>135 / 115 / 11 | | | 4 | 150 | 173 | 15 | 79 | 150 | 166 | 134 |
| MVE 200/1X-40A0 | MVE 200/12X-40A0 | D1 | 40A0 | 330 | | 78 | | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 300/1X-50A0 | MVE 300/12X-50A0 | D1 | 50A0 | 391 | | 97 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 500/1X-50A0 | MVE 500/12X-50A0 | D1 | 50A0 | 455 | | 129 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 510/1X-51A0 | MVE 510/12X-51A0 | D1 | 51A0 | 455 | | 129 | | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 800/1X-60A0 | MVE 800/12X-60A0 | D1 | 60A0 | 446 | | 112 | | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1100/1X-60A0 | MVE 1100/12X-60A0 | D1 | 60A0 | 490 | 446 | 134 | 112 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1500/1X-60A0 | MVE 1500/12X-60A0 | D1 | 60A0 | 566 | 490 | 172 | 134 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1600/1X-70A0 | MVE 1600/12X-70A0 | D1 | 70A0 | 563 | 501 | 154 | 123 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 2100/1X-70A0 | MVE 2100/12X-70A0 | D1 | 70A0 | 623 | 563 | 184 | 154 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 2600/1X-75A0 | MVE 2600/12X-75A0 | D1 | 75A0 | 692 | 584 | 205 | 151 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3000/1X-75A0 | MVE 3000/12X-75A0 | D1 | 75A0 | 692 | | 205 | | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3700/1X-75A0 | MVE 3700/12X-75A0 | D1 | 75A0 | 734 | 692 | 226 | 205 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3800/1X-80A0 | MVE 3800/12X-80A0 | D1 | 80A0 | 683 | 603 | 183 | 143 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 4700/1X-80A0 | MVE 4700/12X-80A0 | D1 | 80A0 | 733 | 683 | 208 | 183 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 5200/1X-85A0 | MVE 5200/12X-85A0 | D1 | 85A0 | 704 | 624 | 170 | 130 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 20 | 394 | 360 | 378 |
| MVE 6500/1X-85A0 | MVE 6500/12X-85A0 | D1 | 85A0 | 704 | | 170 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 20 | 394 | 360 | 378 |
| MVE 8000/1X-85A0 | MVE 8000/12X-85A0 | D1 | 85A0 | 774 | 704 | 205 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/1X-85A0 | MVE 9000/12X-85A0 | D1 | 85A0 | 774 | 704 | 205 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 8000/1X-86A0 | MVE 8000/12X-86A0 | D1 | 86A0 | 774 | | 205 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 9000/1X-86A0 | MVE 9000/12X-86A0 | D1 | 86A0 | 774 | | 205 | | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 10000/1X-90A0 | MVE 10000/12X-90A0 | E1 | 90A0 | 908 | 798 | 260 | 205 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 13000/1X-90A0 | MVE 13000/12X-90A0 | E1 | 90A0 | 948 | 798 | 280 | 205 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 10000/1X-91A0 | MVE 10000/12X-91A0 | E1 | 91A0 | 908 | | 260 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 11400/1X-91A0 | MVE 11400/12X-91A0 | E1 | 91A0 | 908 | | 260 | | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

This information is provided without warranty, representation, inducement or licence of any kind. It is accurate to the best OLI knowledge or is obtained from sources believed to be accurate. OLI therefore assumes no legal responsibility.
The latest and most updated information are available online.

- Class I, Div.2 Group A, B, C, D T3
- Class II Div.2 Group F, G T4
- Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079-31, CSA 22.2 N°100, CSA 22.2 N°77, CSA 22.2 N°60079-7

# INCREASED SAFETY

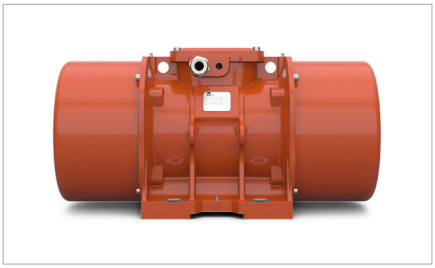
## MVE-Exe 8 POLES
### 750/900 rpm

Ex II 2G: Temp. Class **T3** - ExII 2D Temp. Class: ● 100 °C ● 135 °C
Class II Div.2: Temp. Class **T4**
EX e, tE: **5**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric |
| 33.4 | | MVE 150/075X-40A0 | MVE 150/090X-40A0 | 105 | 151 | 21 | | 0.23 | 0.25 | 1.14 | 1.14 | Y | 1.7 | 1.7 | M20 ● |
| 56.9 | | MVE 250/075X-50A0 | MVE 250/090X-50A0 | 179 | 257 | 29 | | 0.25 | 0.30 | 0.90 | 0.89 | Y | 1.9 | 1.9 | M20 ● |
| 84.0 | | MVE 400/075X-50A0 | MVE 400/090X-50A0 | 264 | 380 | 34 | | 0.25 | 0.30 | 0.90 | 0.89 | Y | 2.1 | 2.1 | M20 ● |
| 137.3 | | MVE 650/075X-60A0 | MVE 650/090X-60A0 | 431 | 621 | 63 | | 0.37 | 0.45 | 1.20 | 1.20 | Y | 2.4 | 2.4 | M25 ● |
| 187.7 | | MVE 900/075X-60A0 | MVE 900/090X-60A0 | 589 | 849 | 70 | | 0.55 | 0.54 | 1.23 | 1.29 | Y | 2.7 | 2.7 | M25 ● |
| 299.6 | | MVE 1300/075X-70A0 | MVE 1300/090X-70A0 | 941 | 1,355 | 90 | | 0.75 | 0.90 | 2.20 | 2.20 | Y | 3.2 | 3.2 | M25 ● |
| 467.4 | | MVE 2100/075X-75A0 | MVE 2100/090X-75A0 | 1,468 | 2,114 | 150 | | 1.00 | 1.20 | 2.81 | 2.89 | Y | 4.4 | 4.3 | M32 ● |
| 680.3 | | MVE 3100/075X-80A0 | MVE 3100/090X-80A0 | 2,137 | 3,077 | 201 | | 2.00 | 2.30 | 4.50 | 4.40 | Y | 4.2 | 4.2 | M32 ● |
| 838.4 | | MVE 3800/075X-80A0 | MVE 3800/090X-80A0 | 2,633 | 3,792 | 219 | | 2.50 | 3.00 | 6.00 | 6.00 | Y | 4.1 | 4.2 | M32 ● |
| 929.7 | | MVE 4200/075X-85A0 | MVE 4200/090X-85A0 | 2,920 | 4,205 | 268 | | 2.90 | 3.40 | 6.50 | 6.50 | Y | 4.0 | 3.9 | M32 ● |
| 1,165.2 | | MVE 5300/075X-85A0 | MVE 5300/090X-85A0 | 3,660 | 5,270 | 289 | | 3.70 | 4.30 | 8.00 | 8.20 | Y | 4.0 | 4.4 | M32 ● |
| 1,435.9 | | MVE 6500/075X-85A0 | MVE 6500/090X-85A0 | 4,510 | 6,494 | 308 | | 3.80 | 4.20 | 8.78 | 8.30 | Y | 3.8 | 4.2 | M32 ● |
| 2,200.4 | | MVE 10000/075X-90A0 | MVE 10000/090X-90A0 | 6,911 | 9,952 | 422 | | 6.80 | 7.50 | 13.50 | 12.50 | Δ | 3.7 | 4.4 | M32 ● |
| 2,311.0 | | MVE 10000/075X-91A0 | MVE 10000/090X-91A0 | 7,258 | 10,452 | 422 | | 6.00 | 7.00 | 14.40 | 14.00 | Δ | 4.7 | 4.7 | M32 ● |

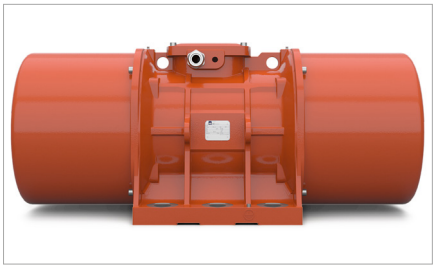
*SIZE 80A0*



*SIZE 86A0*



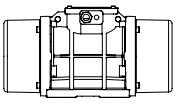
*SIZE 91A0*



60Hz masses = 50Hz masses adjusted at 100%

To convert kg into Newton: N = 9.81 · kg

- II 2D Ex tb IIIC Tx Db IP66
- II 2G Ex eb IIC T3 Gb
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21 - Zone 1) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-7



Technical drawings in the last page

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | M | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz-60Hz | 50Hz-60Hz | | | | n° | | | | | | | |
| MVE 150/075X-40A0 | MVE 150/090X-40A0 | D1 | 40A0 | 330 | 78 | 105 | 140 | 13 | 4 | 170 | 196 | 20 | 92 | 174 | 166 | 160 |
| MVE 250/075X-50A0 | MVE 250/090X-50A0 | D1 | 50A0 | 391 | 97 | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 400/075X-50A0 | MVE 400/090X-50A0 | D1 | 50A0 | 455 | 129 | 120 | 170 | 17 | 4 | 208 | 210 | 22 | 96 | 185 | 192 | 170 |
| MVE 650/075X-60A0 | MVE 650/090X-60A0 | D1 | 60A0 | 446 | 112 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 900/075X-60A0 | MVE 900/090X-60A0 | D1 | 60A0 | 490 | 134 | 140 | 190 | 17 | 4 | 230 | 260 | 26 | 124 | 240 | 218 | 222 |
| MVE 1300/075X-70A0 | MVE 1300/090X-70A0 | D1 | 70A0 | 563 | 154 | 155 | 225 | 22 | 4 | 275 | 290 | 30 | 140 | 256 | 250 | 236 |
| MVE 2100/075X-75A0 | MVE 2100/090X-75A0 | D1 | 75A0 | 692 | 205 | 155 | 255 | 23.5 | 4 | 304 | 314 | 30 | 147 | 285 | 277 | 265 |
| MVE 3100/075X-80A0 | MVE 3100/090X-80A0 | D1 | 80A0 | 683 | 183 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 3800/075X-80A0 | MVE 3800/090X-80A0 | D1 | 80A0 | 733 | 208 | 180 | 280 | 26 | 4 | 332 | 354 | 32 | 170 | 330 | 312 | 311 |
| MVE 4200/075X-85A0 | MVE 4200/090X-85A0 | D1 | 85A0 | 704 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 5300/075X-85A0 | MVE 5300/090X-85A0 | D1 | 85A0 | 704 | 170 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 6500/075X-85A0 | MVE 6500/090X-85A0 | D1 | 85A0 | 774 | 205 | 200 | 320 | 28 | 4 | 385 | 402 | 40 | 203 | 394 | 360 | 378 |
| MVE 10000/075X-90A0 | MVE 10000/090X-90A0 | E1 | 90A0 | 948 | 280 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |
| MVE 10000/075X-91A0 | MVE 10000/090X-91A0 | E1 | 91A0 | 948 | 280 | 125 | 380 | 39 | 6 | 452 | 415 | 40 | 205 | 394 | 380 | 378 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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- Class I, Div.2 Group A, B, C, D T3
- Class II Div.2 Group F, G T4
- Conform to UL 1004-1,UL 1004-3, UL60079-31, UL60079-0, CSA 60079-0, CSA 60079-31, CSA 22.2 N°100, CSA 22.2 N°77, CSA 22.2 N°60079-7

# EXPLOSION-PROOF

Ex II 2G: Temp. Class **T4**
Class I Div.1: Temp. Class **T4**
Ex II 2D Temp. Class: ● **135 °C**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

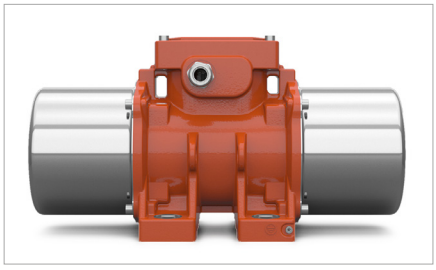
## MVE-Exd 2 POLES
### 3000/3600 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 15.7 | 11.1 | MVE 800/3D-50A0 | MVE 800/36D-50A0 | 794 | 800 | 40 | | 0.75 | 0.90 | 1.45 | 1.50 | Y | 3.8 | 3.8 | 3/4" NPT 110 °C | ● |
| 26.6 | 18.6 | MVE 1300/3D-50A0 | MVE 1300/36D-50A0 | 1,355 | 1,365 | 41 | | 1.10 | 1.10 | 2.00 | 2.75 | Y | 5.2 | 5.0 | 3/4" NPT 110 °C | ● |
| 31.3 | 22.2 | MVE 1600/3D-60A0 | MVE 1600/36D-60A0 | 1,601 | 1,608 | 63 | 62 | 1.57 | 1.60 | 2.94 | 2.61 | Y | 5.9 | 6.2 | 3/4" NPT 110 °C | ● |
| 36.8 | 27.6 | MVE 2000/3D-60A0 | MVE 2000/36D-60A0 | 2,027 | 1,997 | 64 | 63 | 1.25 | 1.40 | 3.20 | 2.80 | Y | 6.5 | 6.4 | 3/4" NPT 110 °C | ● |
| 46.0 | 31.9 | MVE 2300/3D-60A1 | MVE 2300/36D-60A1 | 2,302 | 2,306 | 65 | 63 | 1.25 | 1.40 | 3.20 | 2.80 | Y | 6.0 | 6.3 | 3/4" NPT 110 °C | ● |
| 68.1 | 43.9 | MVE 3200/3D-75A0 | MVE 3200/36D-75A0 | 3,252 | 3,176 | 105 | 103 | 3.00 | 3.00 | 5.20 | 4.60 | Y | 8.3 | 8.2 | 3/4" NPT 110 °C | ● |
| 79.4 | 56.0 | MVE 4000/3D-75A0 | MVE 4000/36D-75A0 | 4,033 | 4,052 | 108 | 104 | 3.00 | 3.00 | 5.20 | 4.60 | Y | 8.5 | 9.7 | 3/4" NPT 110 °C | ● |

## MVE-Exd 4 POLES
### 1500/1800 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 56.8 | 39.4 | MVE 700/15D-50A0 | MVE 700/18D-50A0 | 714 | 712 | 45 | | 0.55 | 0.66 | 1.00 | 1.00 | Y | 3.0 | 3.2 | 3/4" NPT 110 °C | ● |
| 88.7 | 56.8 | MVE 1100/15D-50A0 | MVE 1100/18D-50A0 | 1,114 | 1,028 | 52 | 45 | 0.60 | 0.68 | 1.27 | 1.50 | Y | 3.8 | 3.8 | 3/4" NPT 110 °C | ● |
| 108.6 | 76.7 | MVE 1400/15D-60A0 | MVE 1400/18D-60A0 | 1,364 | 1,388 | 73 | 70 | 0.75 | 1.00 | 1.67 | 1.80 | Y | 4.0 | 4.0 | 3/4" NPT 110 °C | ● |
| 137.3 | 92.0 | MVE 1700/15D-60A1 | MVE 1700/18D-60A1 | 1,725 | 1,664 | 76 | 61 | 1.00 | 1.20 | 1.95 | 2.00 | Y | 4.7 | 4.5 | 3/4" NPT 110 °C | ● |
| 187.7 | 137.4 | MVE 2400/15D-60A1 | MVE 2400/18D-60A1 | 2,358 | 2,485 | 78 | 72 | 1.25 | 1.40 | 2.80 | 2.70 | Y | 4.9 | 4.9 | 3/4" NPT 110 °C | ● |
| 203.5 | 135.6 | MVE 2500/15D-70A0 | MVE 2500/18D-70A0 | 2,557 | 2,454 | 99 | 93 | 1.50 | 1.60 | 2.70 | 2.60 | Y | 6.0 | 6.1 | 3/4" NPT110 °C | ● |
| 248.7 | 169.8 | MVE 3000/15D-70A0 | MVE 3000/18D-70A0 | 3,124 | 3,071 | 105 | 97 | 1.65 | 1.90 | 2.80 | 2.70 | Y | 6.5 | 6.6 | 3/4" NPT 110 °C | ● |
| 306.7 | 204.7 | MVE 3800/15D-75A0 | MVE 3800/18D-75A0 | 3,853 | 3,704 | 136 | 125 | 2.30 | 2.25 | 4.10 | 3.96 | Y | 6.8 | 6.8 | 3/4" NPT 110 °C | ● |
| 343.2 | 240.9 | MVE 4300/15D-75A0 | MVE 4300/18D-75A0 | 4,312 | 4,359 | 140 | 130 | 2.40 | 2.60 | 4.30 | 4.10 | Y | 7.0 | 7.2 | 3/4" NPT 110 °C | ● |
| 437.4 | 303.7 | MVE 5500/15D-80A0 | MVE 5500/18D-80A0 | 5,495 | 5,495 | 193 | 183 | 3.10 | 3.10 | 5.70 | 5.30 | Y | 7.1 | 7.0 | 3/4" NPT 110 °C | ● |

*SIZE 50A0*



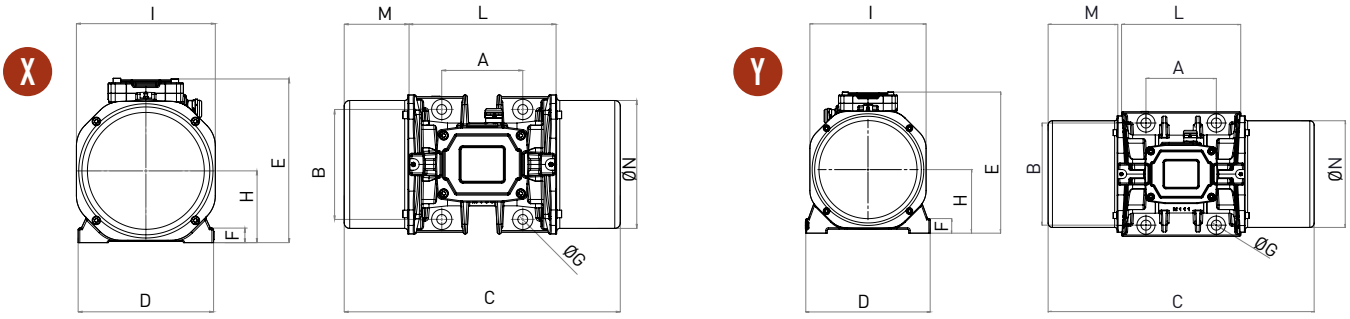
UP TO SIZE 50 (INCLUDED)
60Hz masses = 50Hz masses adjusted at 70%
Except for model MVE 1100/15D - 1100/18D

ABOVE SIZE 50 (NOT INCLUDED)
Specific masses for 60Hz

To convert kg into Newton: N = 9.81 · kg

- II 2G Ex db IIB T4 Gb,
- II 2D Ex tb IIIC T135°C Db
- Ex db IIB T4 Gb
- Ex tb IIIC T135°C Db
- Ambient temperature from -20°C to +60°C

- Compliance with Essential Health and Safety Requirements
- IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-1




| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 800/3D-50A0 | MVE 800/36D-50A0 | X | 50A0 | 332 | | 63 | | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 |
| MVE 1300/3D-50A0 | MVE 1300/36D-50A0 | X | 50A0 | 332 | | 63 | | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 |
| MVE 1600/3D-60A0 | MVE 1600/36D-60A0 | X | 60A0 | 477 | | 111 | | 140 | 190 | 17 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 2000/3D-60A0 | MVE 2000/36D-60A0 | X | 60A0 | 477 | | 111 | | 140 | 190 | 17 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 2300/3D-60A1 | MVE 2300/36D-60A1 | X | 60A1 | 477 | | 111 | | 140 | 190 | 22 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 3200/3D-75A0 | MVE 3200/36D-75A0 | Y | 75A0 | 540 | | 118 | | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 265 |
| MVE 4000/3D-75A0 | MVE 4000/36D-75A0 | Y | 75A0 | 554 | | 125 | | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 265 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 700/15D-50A0 | MVE 700/18D-50A0 | X | 50A0 | 396 | | 95 | | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 |
| MVE 1100/15D-50A0 | MVE 1100/18D-50A0 | X | 50A0 | 466 | 396 | 130 | 95 | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 |
| MVE 1400/15D-60A0 | MVE 1400/18D-60A0 | X | 60A0 | 477 | | 111 | | 140 | 190 | 17 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 1700/15D-60A1 | MVE 1700/18D-60A1 | X | 60A1 | 477 | | 111 | | 140 | 190 | 22 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 2400/15D-60A1 | MVE 2400/18D-60A1 | X | 60A1 | 521 | | 133 | | 140 | 190 | 22 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 2500/15D-70A0 | MVE 2500/18D-70A0 | Y | 70A0 | 525 | | 123 | | 155 | 225 | 22 | 4 | 274 | 311 | 32 | 140 | 256 | 279 | 235 |
| MVE 3000/15D-70A0 | MVE 3000/18D-70A0 | Y | 70A0 | 586 | | 153 | | 155 | 225 | 22 | 4 | 274 | 311 | 32 | 140 | 256 | 279 | 235 |
| MVE 3800/15D-75A0 | MVE 3800/18D-75A0 | Y | 75A0 | 596 | | 146 | | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 265 |
| MVE 4300/15D-75A0 | MVE 4300/18D-75A0 | Y | 75A0 | 616 | | 156 | | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 265 |
| MVE 5500/15D-80A0 | MVE 5500/18D-80A0 | Y | 80A0 | 612 | | 127 | | 180 | 280 | 26 | 4 | 330 | 379 | 33 | 176 | 330 | 358 | 310 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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c UL us LISTED CLASS I DIV.1 GROUP C,D T4 E488916

» Class I, Div.1 Group C, D T4 IP66
» Conform to UL 1004-1,UL 1004-3,UL1203;UL674,CSA C22.2 No.145, CSA C22.2 No.30-M1986.

# EXPLOSION-PROOF

Ex II 2G: Temp. Class **T4**
Class I Div.1: Temp. Class **T4**
Ex II 2D Temp. Class: ● **135 °C**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

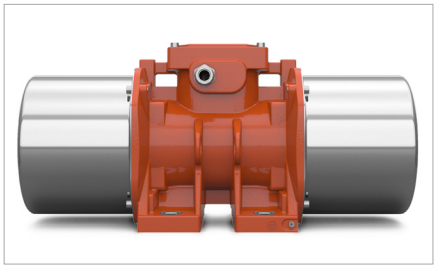
## MVE-Exd 6 POLES
### 1000/1200 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 91.9 | | MVE 500/1D-50A0 | MVE 500/12D-50A0 | 513 | 739 | 54 | | 0.30 | 0.32 | 1.10 | 1.05 | Y | 2.8 | 2.7 | 3/4" NPT 110 °C | ● |
| 137.4 | 108.6 | MVE 800/1D-60A0 | MVE 800/12D-60A0 | 767 | 873 | 73 | 71 | 0.57 | 0.68 | 1.14 | 1.21 | Y | 3.2 | 3.1 | 3/4" NPT 110 °C | ● |
| 187.7 | 137.3 | MVE 1100/1D-60A1 | MVE 1100/12D-60A1 | 1,048 | 1,104 | 80 | 74 | 0.56 | 0.58 | 1.40 | 1.30 | Y | 3.2 | 3.1 | 3/4" NPT 110 °C | ● |
| 284.8 | 196.5 | MVE 1500/1D-60A0 | MVE 1500/12D-60A0 | 1,590 | 1,580 | 94 | 83 | 0.80 | 0.90 | 1.60 | 1.70 | Y | 3.3 | 3.3 | 3/4" NPT 110 °C | ● |
| 299.6 | 203.5 | MVE 1600/1D-70A0 | MVE 1600/12D-70A0 | 1,673 | 1,636 | 109 | 99 | 1.00 | 1.13 | 2.50 | 2.72 | Y | 3.7 | 3.6 | 3/4" NPT110 °C | ● |
| 373.1 | 248.7 | MVE 2100/1D-70A0 | MVE 2100/12D-70A0 | 2,083 | 2,000 | 121 | 107 | 1.20 | 1.35 | 2.80 | 3.00 | Y | 4.3 | 4.4 | 3/4" NPT 110 °C | ● |
| 467.4 | 306.7 | MVE 2600/1D-75A0 | MVE 2600/12D-75A0 | 2,610 | 2,466 | 153 | 136 | 1.50 | 1.60 | 3.50 | 3.30 | Y | 4.8 | 4.8 | 3/4" NPT 110 °C | ● |
| 540.3 | 379.7 | MVE 3000/1D-75A0 | MVE 3000/12D-75A0 | 3,017 | 3,053 | 161 | 135 | 1.75 | 1.90 | 4.30 | 4.00 | Y | 5.0 | 5.0 | 3/4" NPT 110 °C | ● |
| 680.4 | 437.4 | MVE 3800/1D-80A0 | MVE 3800/12D-80A0 | 3,799 | 3,517 | 215 | 196 | 2.10 | 2.30 | 5.00 | 4.80 | Y | 5.9 | 6.0 | 3/4" NPT110 °C | ● |
| 838.3 | 584.2 | MVE 4700/1D-80A0 | MVE 4700/12D-80A0 | 4,681 | 4,697 | 231 | 212 | 2.50 | 2.80 | 6.20 | 6.00 | Y | 5.5 | 5.7 | 3/4" NPT 110 °C | ● |

## MVE-Exd 8 POLES
### 750/900 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia/In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz-60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 56.9 | | MVE 250/075D-50A0 | MVE 250/090D-50A0 | 179 | 257 | 47 | 0.35 | 0.38 | 1.15 | 1.15 | Y | 1.7 | 1.7 | 3/4" NPT 110 °C | ● |
| 84.0 | | MVE 400/075D-50A0 | MVE 400/090D-50A0 | 264 | 380 | 54 | 0.35 | 0.38 | 1.15 | 1.15 | Y | 1.9 | 1.9 | 3/4" NPT 110 °C | ● |
| 137.3 | | MVE 650/075D-60A0 | MVE 650/090D-60A0 | 431 | 621 | 73 | 0.43 | 0.50 | 1.12 | 1.10 | Y | 2.2 | 2.2 | 3/4" NPT 110 °C | ● |
| 187.7 | | MVE 900/075D-60A1 | MVE 900/090D-60A1 | 589 | 849 | 82 | 0.55 | 0.60 | 1.40 | 1.20 | Y | 2.5 | 2.5 | 3/4" NPT 110 °C | ● |
| 299.6 | | MVE 1300/075D-70A0 | MVE 1300/090D-70A0 | 941 | 1,355 | 109 | 0.80 | 0.80 | 2.20 | 2.10 | Y | 3.0 | 3.0 | 3/4" NPT 110 °C | ● |
| 467.4 | | MVE 2100/075D-75A0 | MVE 2100/090D-75A0 | 1,468 | 2,114 | 153 | 1.25 | 1.30 | 3.20 | 2.80 | Y | 4.2 | 4.1 | 3/4" NPT 110 °C | ● |
| 680.3 | | MVE 3100/075D-80A0 | MVE 3100/090D-80A0 | 2,137 | 3,077 | 214 | 1.50 | 1.80 | 3.80 | 3.80 | Y | 4.0 | 4.0 | 3/4" NPT 110 °C | ● |
| 838.4 | | MVE 3800/075D-80A0 | MVE 3800/090D-80A0 | 2,633 | 3,792 | 230 | 2.50 | 3.20 | 5.50 | 5.70 | Y | 3.9 | 4.0 | 3/4" NPT 110 °C | ● |

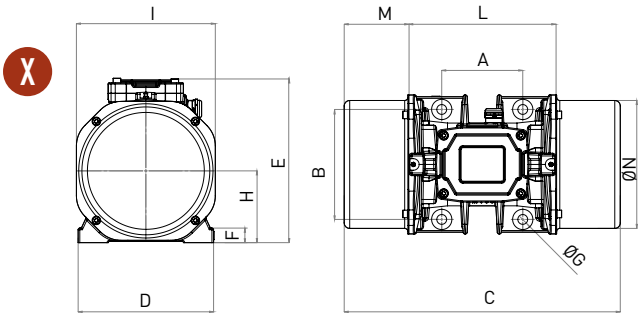
*SIZE 60A0*

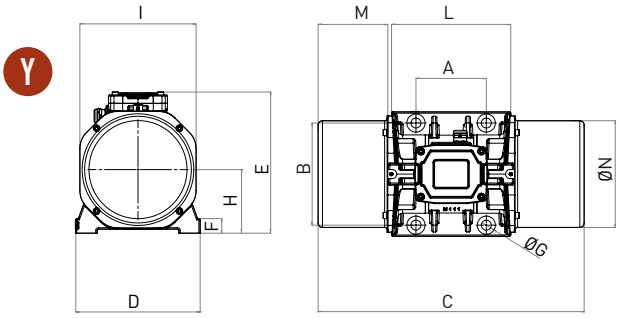


To convert kg into Newton: N = 9.81 · kg

- II 2G Ex db IIB T4 Gb,
- II 2D Ex tb IIIC T135°C Db
- Ex db IIB T4 Gb
- Ex tb IIIC T135°C Db
- Ambient temperature from -20°C to +60°C

- Compliance with Essential Health and Safety Requirements
- IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-1




| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | n° | | | | | | | |
| MVE 500/1D-50A0 | MVE 500/12D-50A0 | X | 50A0 | 466 | | 130 | | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 |
| MVE 800/1D-60A0 | MVE 800/12D-60A0 | X | 60A0 | 477 | | 111 | | 140 | 190 | 17 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 1100/1D-60A1 | MVE 1100/12D-60A1 | X | 60A1 | 521 | | 133 | | 140 | 190 | 22 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 1500/1D-60A0 | MVE 1500/12D-60A0 | X | 60A0 | 597 | | 171 | | 140 | 190 | 17 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 |
| MVE 1600/1D-70A0 | MVE 1600/12D-70A0 | Y | 70A0 | 586 | | 153 | | 155 | 225 | 22 | 4 | 274 | 311 | 32 | 140 | 256 | 279 | 235 |
| MVE 2100/1D-70A0 | MVE 2100/12D-70A0 | Y | 70A0 | 646 | | 183 | | 155 | 225 | 22 | 4 | 274 | 311 | 32 | 140 | 256 | 279 | 235 |
| MVE 2600/1D-75A0 | MVE 2600/12D-75A0 | Y | 75A0 | 724 | | 210 | | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 264 |
| MVE 3000/1D-75A0 | MVE 3000/12D-75A0 | Y | 75A0 | 724 | | 210 | | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 264 |
| MVE 3800/1D-80A0 | MVE 3800/12D-80A0 | Y | 80A0 | 692 | | 167 | | 180 | 280 | 26 | 4 | 330 | 379 | 33 | 176 | 330 | 358 | 310 |
| MVE 4700/1D-80A0 | MVE 4700/12D-80A0 | Y | 80A0 | 744 | | 193 | | 180 | 280 | 26 | 4 | 330 | 379 | 33 | 176 | 330 | 358 | 310 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | M | A | B | Ø G | Holes | D | E | F | H | I | L | N | |
| 50Hz | 60Hz | | | 50Hz-60Hz | 50Hz-60Hz | | | | n° | | | | | | | | |
| MVE 250/075D-50A0 | MVE 250/090D-50A0 | X | 50A0 | 396 | 95 | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 | |
| MVE 400/075D-50A0 | MVE 400/090D-50A0 | X | 50A0 | 466 | 130 | 120 | 170 | 17 | 4 | 209 | 251 | 27 | 103 | 185 | 205 | 165 | |
| MVE 650/075D-60A0 | MVE 650/090D-60A0 | X | 60A0 | 477 | 111 | 140 | 190 | 17 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 | |
| MVE 900/075D-60A1 | MVE 900/090D-60A1 | X | 60A1 | 521 | 133 | 140 | 190 | 22 | 4 | 234 | 283 | 25 | 124 | 240 | 254 | 221 | |
| MVE 1300/075D-70A0 | MVE 1300/090D-70A0 | Y | 70A0 | 586 | 153 | 155 | 225 | 22 | 4 | 274 | 311 | 32 | 140 | 256 | 279 | 235 | |
| MVE 2100/075D-75A0 | MVE 2100/090D-75A0 | Y | 75A0 | 724 | 210 | 155 | 255 | 23.5 | 4 | 302 | 330 | 30 | 150 | 280 | 304 | 264 | |
| MVE 3100/075D-80A0 | MVE 3100/090D-80A0 | Y | 80A0 | 692 | 167 | 180 | 280 | 26 | 4 | 330 | 379 | 33 | 176 | 330 | 358 | 310 | |
| MVE 3800/075D-80A0 | MVE 3800/090D-80A0 | Y | 80A0 | 744 | 193 | 180 | 280 | 26 | 4 | 330 | 379 | 33 | 176 | 330 | 358 | 310 | |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

This information is provided without warranty, representation, inducement or licence of any kind. It is accurate to the best OLI knowledge or is obtained from sources believed to be accurate. OLI therefore assumes no legal responsibility. The latest and most updated information are available online.

c UL us LISTED CLASS I DIV.1 GROUP C,D T4 E488916

» Class I, Div.1 Group C, D T4 IP66
» Conform to UL 1004-1,UL 1004-3,UL1203;UL674,CSA C22.2 No.145, CSA C22.2 No.30-M1986.

# GRAIN PROCESSING

Ex II 3D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

## MVE-Milling 6 POLES 1000/1200 rpm – Destoner / Densimetric Table

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 111 | 88.5 | MVE 610/1N-51A0 | MVE 610/12N-51A0 | 622 | 739 | 40 | 35 | 0.35 | 0.40 | 1.22 | 1.15 | Y | 3.0 | 3.0 | M20 | ● |
| 138 | - | MVE 750/1N-58A0 | NA | 771 | - | 39.5 | | 0.75 | | 1.42 | - | Y | 3.4 | - | M25 | ● |

## MVE-Milling 8 POLES 750 rpm – Grain Purifier

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 383 | - | MVE 1200/075N-60A | NA | 1203 | - | 94 | - | 0.65 | - | 1.30 | - | Y | 2.5 | - | M25 | ● |
| 471 | - | MVE 1400/075N-60A | NA | 1480 | - | 104 | - | 0.65 | - | 1.50 | - | Y | 2.5 | - | M25 | ● |

## MVE-Milling 10 POLES 600/750 rpm – Grain Purifier

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 247 | 247 | MVE 505/060N-51A0 | MVE 505/072N-51A0 | 497 | 715 | 54 | | 0.52 | 0.52 | 2.11 | 1.22 | Y | 2.8 | 2.8 | M20 | ● |
| 274 | 274 | MVE 550/060N-51A0 | MVE 550/072N-51A0 | 551 | 793 | 57 | | 0.52 | 0.52 | 2.11 | 1.22 | Y | 2.8 | 2.8 | M20 | ● |
| 329 | 329 | MVE 780/060N-61A0 | MVE 780/072N-61A0 | 661 | 952 | 73 | | 0.40 | 0.40 | 1.20 | 1.00 | Y | 2.5 | 2.5 | M20 | ● |
| 383 | 383 | MVE 1200/060N-60A | MVE 1200/072N-60A0 | 770 | 1110 | 94 | | 0.78 | 0.78 | 1.40 | 1.30 | Y | 2.5 | 2.5 | M25 | ● |
| 471 | 471 | MVE 1400/060N-60A | MVE 1400/072N-60A0 | 947 | 1364 | 104 | | 0.78 | 0.78 | 1.40 | 1.30 | Y | 2.5 | 2.5 | M25 | ● |

## MVE-Milling 12 POLES 600 rpm – Grain Purifier

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| - | 247 | NA | MVE 505/059N-51A0 | - | 497 | 54 | | - | 0.35 | - | 0.98 | Y | - | 2.8 | M20 | ● |
| - | 274 | NA | MVE 550/059N-51A0 | - | 551 | 57 | | - | 0.35 | - | 0.98 | Y | - | 2.8 | M20 | ● |
| - | 329 | NA | MVE 780/059N-61A0 | - | 661 | 73 | | - | 0.40 | - | 1 | Y | - | 2.3 | M20 | ● |

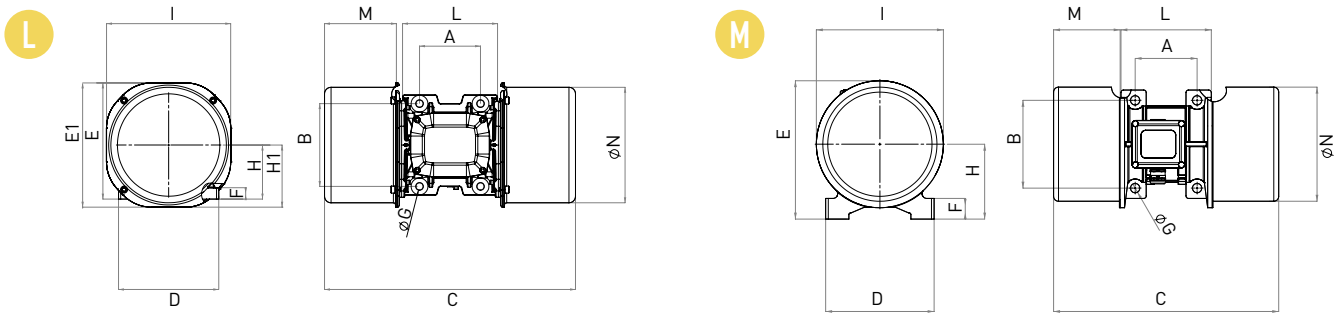
*MVE-MILLING*



60Hz masses = 50Hz masses adjusted at 100%

To convert kg into Newton: N = 9.81 · kg

- II3D Ex tc IIIC Tx IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- EN 60079-0, EN 60079-31




| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | |
| MVE 610/1N-51A0 | MVE 610/12N-51A0 | D1 | 51A0 | 434 | | 117 | | 120 | 170 | 17 | 4 | 208 | 223 | 25 | 105 | 203 | 192 | 184 |
| MVE 750/1N-58A0 | NA | M | 58A0 | 436 | | 129 | | 120 | 170 | 17 | 4 | 210 | 268 | 40 | 145 | 246 | 175 | 221 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | E1 | F | H | H1 | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | | | |
| MVE 1200/075N-60A | NA | L | 60A0 | 576 | | 165 | | 140 | 190 | 17 | 4 | 230 | 266 | 285 | 26 | 124 | 143 | 285 | 218 | 265 |
| MVE 1400/075N-60A | NA | L | 60A0 | 576 | | 165 | | 140 | 190 | 17 | 4 | 230 | 266 | 285 | 26 | 124 | 143 | 285 | 218 | 265 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | E1 | F | H | H1 | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | | | |
| MVE 505/060N-51A0 | MVE 505/072N-51A0 | L | 51A0 | 492 | | 134 | | 120 | 170 | 17 | 4 | 208 | 225 | 240 | 22 | 105 | 120 | 240 | 192 | 222 |
| MVE 550/060N-51A0 | MVE 550/072N-51A0 | L | 51A0 | 492 | | 134 | | 120 | 170 | 17 | 4 | 208 | 225 | 240 | 22 | 105 | 120 | 240 | 192 | 222 |
| MVE 780/060N-61A0 | MVE 780/072N-61A0 | L | 61A0 | 576 | | 165 | | 140 | 190 | 17 | 4 | 230 | 266 | 285 | 26 | 124 | 143 | 285 | 218 | 265 |
| MVE 1200/060N-60A | MVE 1200/072N-60A0 | L | 60A0 | 576 | | 165 | | 140 | 190 | 17 | 4 | 230 | 266 | 285 | 26 | 124 | 143 | 285 | 218 | 265 |
| MVE 1400/060N-60A | MVE 1400/072N-60A0 | L | 60A0 | 576 | | 165 | | 140 | 190 | 17 | 4 | 230 | 266 | 285 | 26 | 124 | 143 | 285 | 218 | 265 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | E1 | F | H | H1 | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | | | |
| NA | MVE 505/059N-51A0 | L | 51A0 | 492 | | 134 | | 120 | 170 | 17 | 4 | 208 | 225 | 240 | 22 | 105 | 120 | 240 | 192 | 222 |
| NA | MVE 550/059N-51A0 | L | 51A0 | 492 | | 134 | | 120 | 170 | 17 | 4 | 208 | 225 | 240 | 22 | 105 | 120 | 240 | 192 | 222 |
| NA | MVE 780/059N-61A0 | L | 61A0 | 576 | | 165 | | 140 | 190 | 17 | 4 | 230 | 266 | 285 | 26 | 124 | 143 | 285 | 218 | 265 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

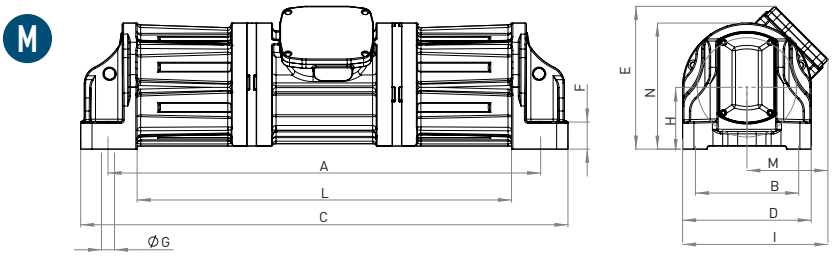
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The latest and most updated information are available online.

» Declaration of conformity "type B" according to: 2014/35/UE -2023/1230 EC - EN 60034-1
» Conform to UL1446 and CSA 22.2 No 0-10

# SCREEN VIBRATOR

Ex II 2G: Temp. Class **T4**
Class I Div.1: Temp. Class **T4**
Ex II 2D Temp. Class: ● **135 °C**

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage




## MVE-SV 4 POLES - EXPLOSION PROOF
### 1500/1800 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In (Ampere) | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 279 | 193 | MVE 3500/15D-SV-75A0 | MVE 3500/18D-SV-75A0 | 3,500 | 3,502 | 180 | 170 | 2.2 | 2.6 | 4.3 | 4.3 | Y | 6.5 | 6.5 | 3/4" NPT 110°C | ● |
| 279 | 193 | MVE 3500/15D-SV-75D0 | MVE 3500/18D-SV-75D0 | 3,500 | 3,502 | 180 | 170 | 2.2 | 2.6 | 4.3 | 4.3 | Y | 6.5 | 6.5 | 3/4" NPT 110°C | ● |
| 417 | 292 | MVE 5300/15D-SV-80A0 | MVE 5300/18D-SV-80A0 | 5,240 | 5,283 | 211 | 200 | 2.6 | 3.0 | 5.5 | 5.2 | Y | 7.1 | 7.0 | 3/4" NPT 110°C | ● |
| 620 | 434 | MVE 8000/15D-SV-85A0 | MVE 8000/18D-SV-85A0 | 7,790 | 7,851 | 280 | 260 | 3.2 | 3.8 | 6.3 | 6.3 | Y | 7.1 | 7.0 | 3/4" NPT 110°C | ● |

*NOTE: The Model name in the standard range is different: the letter "D" changes in "N".*

## MVE-SV 4 POLES - STANDARD RANGE
### 1500/1800 rpm

The MVE-SV is available also as "standard" range, with Ex II 3D certification: Ex II 3D Temp. Class: ● 135 °C
Electrical and dimensional specifications are the same as the "explosion proof" range.

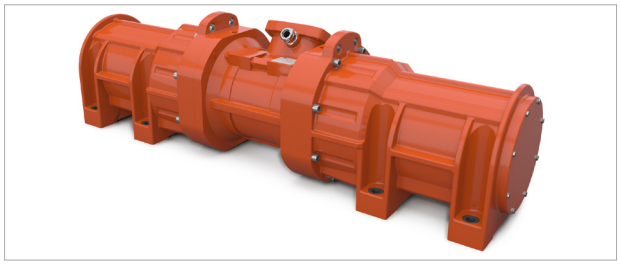
- II3D Ex tc IIIC Tx IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- EN 60079-0, EN 60079-31

- Declaration of conformity "type B" according to: 2014/35/UE - 2023/1230 EC - EN 60034-1
- Conform to UL1446 and CSA 22.2 No 0-10

*SV SIZE 75A0*



*SV SIZE 85A0*

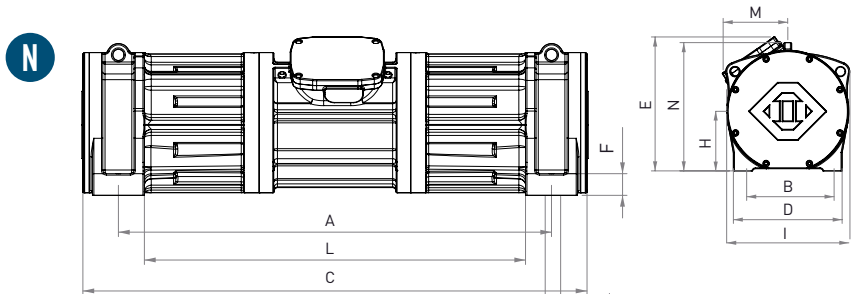


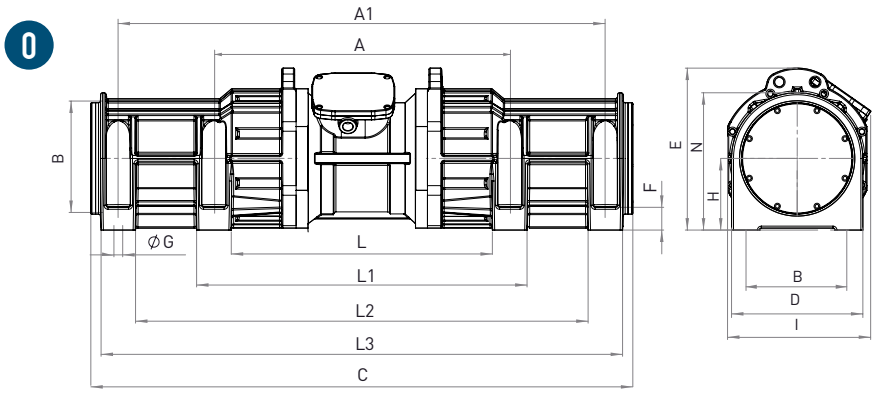
*NOTE: Adjustable centrifugal force.*

To convert kg into Newton: N = 9.81 · kg

- II 2G Ex db IIB T4 Gb,
- II 2D Ex tb IIIC T135°C Db
- Ex db IIB T4 Gb
- Ex tb IIIC T135°C Db
- Ambient temperature from -20°C to +60°C

- Compliance with Essential Health and Safety Requirements
- IEC EN 60079-0, IEC EN 60079-31, IEC EN 60079-1




| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50Hz | 60Hz | | | C | M | A | A1 | B | Ø G | Holes N° | D | E | F | H | I | L | L1 | L2 | L3 | N |
| MVE 3500/15D-SV-75A0 | MVE 3500/18D-SV-75A0 | M | 75A0 | 1,080 | 179 | 959 | - | 229 | 29 | 4 | 285 | 316 | 60 | 137 | 322 | 830 | - | - | - | 279 |
| MVE 3500/15D-SV-75D0 | MVE 3500/18D-SV-75D0 | M | 75D0 | 1,080 | 179 | 959 | - | 241 | 20 | 4 | 285 | 316 | 60 | 137 | 322 | 830 | - | - | - | 279 |
| MVE 5300/15D-SV-80A0 | MVE 5300/18D-SV-80A0 | N | 80A0 | 1,116 | 170 | 959 | - | 229 | 29 | 4 | 285 | 351 | 48 | 156 | 333 | 844 | - | - | - | 316 |
| MVE 8000/15D-SV-85A0 | MVE 8000/18D-SV-85A0 | O | 85A0 | 1,425 | / | 800 | 1,280 | 280 | 22 | 8 | 330 | 407 | 57 | 180 | 360 | 714 | 886 | 1,193 | 1,366 | 345 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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c UL us LISTED CLASS I DIV.1 GROUP C,D T4 E488916

» Class I, Div.1 Group C, D T4 IP66
» Conform to UL 1004-1,UL 1004-3,UL1203;UL674,CSA C22.2 No.145, CSA C22.2 No.30-M1986.

# STAINLESS STEEL

Ex II 3D Temp. Class: ● 100 °C ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

## MVE-SS 2 POLES 3000/3600 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 6.4 | 4.5 | MVE 300/3N-SS-30A0 | MVE 300/36N-SS-30A0 | 321 | 323 | 16 | | 0.25 | 0.28 | 0.52 | 0.45 | Y | 3.8 | 3.7 | M20 | ● |
| 14.9 | 10.6 | MVE 700/3N-SS-40A0 | MVE 700/36N-SS-40A0 | 758 | 765 | 25 | | 0.59 | 0.61 | 1.25 | 1.24 | Y | 4.5 | 5.2 | M20 | ● |
| 15.7 | 11.1 | MVE 800/3N-SS-50A0 | MVE 800/36N-SS-50A0 | 794 | 800 | 32 | 31 | 0.70 | 0.84 | 1.45 | 1.50 | Y | 4.0 | 4.0 | M20 | ● |

## MVE-SS 4 POLES 1500/1800 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 15.4 | 10.8 | MVE 200/15N-SS-30A0 | MVE 200/18N-SS-30A0 | 194 | 196 | 18.5 | | 0.12 | 0.15 | 0.49 | 0.50 | Y | 2.2 | 2.2 | M20 | ● |
| 40.1 | 28.1 | MVE 500/15N-SS-40A0 | MVE 500/18N-SS-40A0 | 504 | 508 | 30 | | 0.35 | 0.40 | 1.06 | 1.09 | Y | 3.0 | 2.9 | M20 | ● |
| 56.8 | 39.4 | MVE 710/15N-SS-50A0 | MVE 710/18N-SS-50A0 | 714 | 712 | 39 | | 0.62 | 0.73 | 1.32 | 1.20 | Y | 3.2 | 3.4 | M20 | ● |
| 88.7 | 62.0 | MVE 1100/15N-SS-50A0 | MVE 1100/18N-SS-50A0 | 1,114 | 1,122 | 47 | | 0.64 | 0.77 | 1.40 | 1.35 | Y | 4.0 | 4.0 | M20 | ● |
| 108.6 | 76.7 | MVE 1400/15N-SS-60A0 | MVE 1400/18N-SS-60A0 | 1,364 | 1,388 | 65 | | 0.70 | 0.84 | 1.78 | 1.78 | Y | 4.2 | 4.2 | M25 | ● |
| 187.7 | 137.4 | MVE 2400/15N-SS-60A0 | MVE 2400/18N-SS-60A0 | 2,358 | 2,485 | 76.5 | | 1.57 | 1.88 | 3.20 | 3.20 | Y | 5.1 | 5.1 | M25 | ● |

## MVE-SS 6 POLES 1000/1200 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 33.5 | 23.4 | MVE 200/1N-SS-40A0 | MVE 200/12N-SS-40A0 | 187 | 188 | 28 | | 0.15 | 0.18 | 0.65 | 0.62 | Y | 2.2 | 2.2 | M20 | ● |
| 91.9 | 91.9 | MVE 510/1N-SS-50A0 | MVE 510/12N-SS-50A0 | 513 | 739 | 46 | | 0.55 | 0.40 | 1.22 | 1.15 | Y | 3.0 | 2.9 | M20 | ● |
| 137.4 | 108.6 | MVE 800/1N-SS-60A0 | MVE 800/12N-SS-60A0 | 767 | 873 | 60 | 58 | 0.75 | 0.80 | 1.42 | 1.32 | Y | 3.4 | 3.3 | M25 | ● |
| 284.8 | 196.5 | MVE 1500/1N-SS-60A0 | MVE 1500/12N-SS-60A0 | 1,590 | 1,580 | 84 | 73 | 0.90 | 1.08 | 1.80 | 2.00 | Y | 3.5 | 3.5 | M25 | ● |

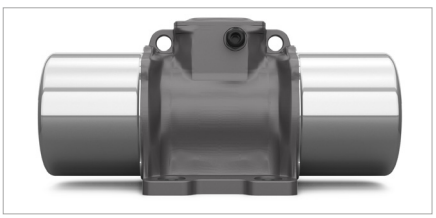
## MVE-SS 8 POLES 750/900 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Standard Nominal Current | | * Terminal Connection | Ia / In | | Cable Gland | |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz (400V) | 60Hz (460V) | | 50Hz | 60Hz | Metric | |
| 33.4 | | MVE 150/075N-SS-40A0 | MVE 150/090N-SS-40A0 | 105 | 151 | 30 | | 0.23 | 0.25 | 1.14 | 1.14 | Y | 1.7 | 1.7 | M20 | ● |
| 84.0 | | MVE 400/075N-SS-50A0 | MVE 400/090N-SS-50A0 | 264 | 380 | 46 | | 0.25 | 0.30 | 0.90 | 0.89 | Y | 2.1 | 2.1 | M20 | ● |
| 137.3 | | MVE 650/075N-SS-60A0 | MVE 650/090N-SS-60A0 | 431 | 621 | 63 | | 0.37 | 0.45 | 1.20 | 1.20 | Y | 2.4 | 2.4 | M25 | ● |
| 187.7 | | MVE 900/075N-SS-60A0 | MVE 900/090N-SS-60A0 | 589 | 849 | 70 | | 0.55 | 0.54 | 1.23 | 1.29 | Y | 2.7 | 2.7 | M25 | ● |

*SIZE 30A0*



*SIZE 50A0*



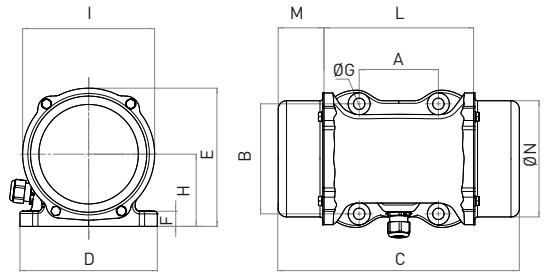
2, 4, 6 POLES
60Hz masses = 50Hz masses adjusted at 70%

8 POLES
60Hz masses = 50Hz masses adjusted at 100%

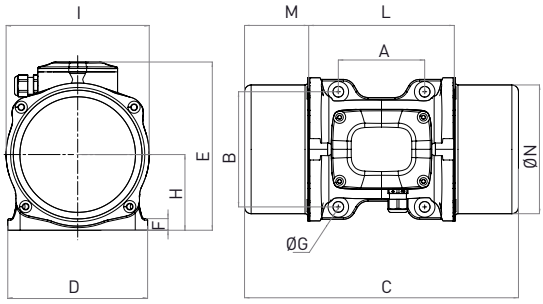
To convert kg into Newton: N = 9.81 · kg

- II3D Ex tc IIIC Tx IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- EN 60079-0, EN 60079-31

P




Q




| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | |
| MVE 300/3N-SS-30A0 | MVE 300/36N-SS-30A0 | P | 30A0 | 253 | | 42 | | 90 | 125 | 13 | 4 | 156 | 157 | 17 | 82 | 150 | 164 | 134 |
| MVE 700/3N-SS-40A0 | MVE 700/36N-SS-40A0 | Q | 40A0 | 333 | | 78 | | 105 | 140 | 13 | 4 | 170 | 204 | 14 | 92 | 174 | 174 | 156 |
| MVE 800/3N-SS-50A0 | MVE 800/36N-SS-50A0 | Q | 50A0 | 324 | | 63.5 | | 120 | 170 | 17 | 4 | 208 | 223 | 18 | 96 | 185 | 197 | 165 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | |
| MVE 200/15N-SS-30A0 | MVE 200/18N-SS-30A0 | P | 30A0 | 298 | | 64 | | 90 | 125 | 13 | 4 | 156 | 157 | 17 | 82 | 150 | 164 | 134 |
| MVE 500/15N-SS-40A0 | MVE 500/18N-SS-40A0 | Q | 40A0 | 333 | | 78 | | 105 | 140 | 13 | 4 | 170 | 204 | 14 | 92 | 174 | 174 | 156 |
| MVE 710/15N-SS-50A0 | MVE 710/18N-SS-50A0 | Q | 50A0 | 388 | | 95 | | 120 | 170 | 17 | 4 | 208 | 223 | 18 | 96 | 185 | 197 | 165 |
| MVE 1100/15N-SS-50A0 | MVE 1100/18N-SS-50A0 | Q | 50A0 | 458 | | 129 | | 120 | 170 | 17 | 4 | 208 | 223 | 18 | 96 | 185 | 192 | 170 |
| MVE 1400/15N-SS-60A0 | MVE 1400/18N-SS-60A0 | Q | 60A0 | 445 | | 111 | | 140 | 190 | 17 | 4 | 230 | 250 | 26 | 124 | 240 | 218 | 221 |
| MVE 2400/15N-SS-60A0 | MVE 2400/18N-SS-60A0 | Q | 60A0 | 489 | | 133 | | 140 | 190 | 17 | 4 | 230 | 250 | 26 | 124 | 240 | 218 | 221 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | |
| MVE 200/1N-SS-40A0 | MVE 200/12N-SS-40A0 | Q | 40A0 | 333 | | 78 | | 105 | 140 | 13 | 4 | 170 | 204 | 14 | 92 | 174 | 174 | 156 |
| MVE 510/1N-SS-50A0 | MVE 510/12N-SS-50A0 | Q | 50A0 | 458 | | 129 | | 120 | 170 | 17 | 4 | 208 | 223 | 18 | 96 | 185 | 192 | 170 |
| MVE 800/1N-SS-60A0 | MVE 800/12N-SS-60A0 | Q | 60A0 | 445 | | 111 | | 140 | 190 | 17 | 4 | 230 | 250 | 26 | 124 | 240 | 218 | 221 |
| MVE 1500/1N-SS-60A0 | MVE 1500/12N-SS-60A0 | Q | 60A0 | 565 | 489 | 171 | 133 | 140 | 190 | 17 | 4 | 230 | 250 | 26 | 124 | 240 | 218 | 221 |

| Model | | Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | C | | M | | A | B | Ø G | Holes | D | E | F | H | I | L | N |
| 50Hz | 60Hz | | | 50Hz | 60Hz | 50Hz | 60Hz | | | | N° | | | | | | | |
| MVE 150/075N-SS-40A0 | MVE 150/090N-SS-40A0 | Q | 40A0 | 333 | | 78 | | 105 | 140 | 13 | 4 | 170 | 204 | 14 | 92 | 174 | 174 | 156 |
| MVE 400/075N-SS-50A0 | MVE 400/090N-SS-50A0 | Q | 50A0 | 458 | | 129 | | 120 | 170 | 17 | 4 | 208 | 223 | 18 | 96 | 185 | 192 | 170 |
| MVE 650/075N-SS-60A0 | MVE 650/090N-SS-60A0 | Q | 60A0 | 445 | | 111 | | 140 | 190 | 17 | 4 | 230 | 250 | 26 | 124 | 240 | 218 | 221 |
| MVE 900/075N-SS-60A0 | MVE 900/090N-SS-60A0 | Q | 60A0 | 489 | | 133 | | 140 | 190 | 17 | 4 | 230 | 250 | 26 | 124 | 240 | 218 | 221 |

## Notes:

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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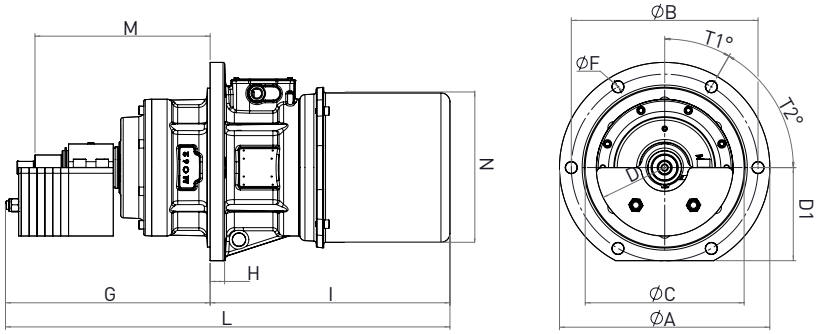
» Declaration of conformity "type B" according to: 2014/35/UE - 2023/1230 EC - EN 60034-1
» Conform to UL1446 and CSA 22.2 No 0-10

# FLANGED DRIVE

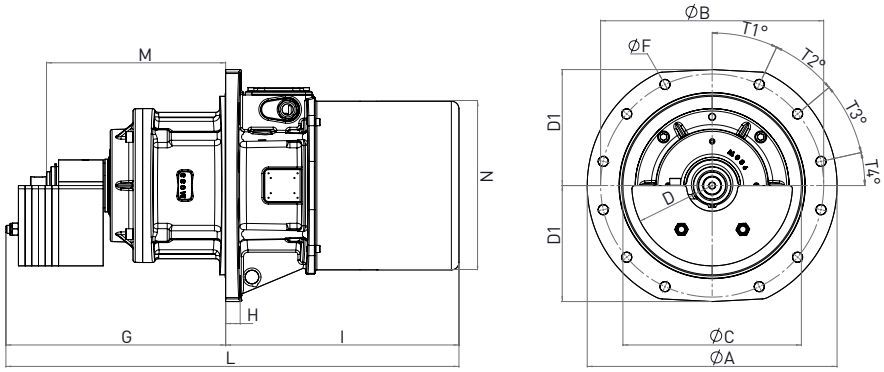
Ex II 3D Temp. Class: ● 135 °C

* Terminal Connections: **Y** High Voltage; **Δ** Low Voltage

**R**




**S**




## MVE-FD 6 POLES 1000/1200 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Nominal Current | | * Terminal Connection | Ia / In (Ampere) | | Cable Gland |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 400V 50Hz | 460V 60Hz | | 50Hz | 60Hz | Metric |
| 806 | 654 | MVE 4500/1N-FD-80AX A | MVE 5200/12N-FD-80AX A | 4,500 | 5,264 | 205 | 200 | 3.6 | 3.6 | 7.5 | 6.9 | Y | 4.5 | 4.3 | M25 |
| 960 | 806 | MVE 5500/1N-FD-80AX A | MVE 6500/12N-FD-80AX A | 5,360 | 6,480 | 243 | 231 | 5.8 | 5.8 | 12 | 10.5 | Y | 5.5 | 5.3 | M25 |
| 1,518 | 1,058 | MVE 8500/1N-FD-90BP A | MVE 8500/12N-FD-90BP A | 8,480 | 8,511 | 334 | 330 | 6.1 | 6.4 | 14.1 | 12.7 | Δ | 6.4 | 6.4 | M32 |
| 1,870 | 1,518 | MVE 10500/1N-FD-91BP A | MVE 12500/12N-FD-91BP A | 10,446 | 12,211 | 408 | 387 | 6.4 | 7.7 | 12.9 | 14.5 | Δ | 5.8 | 6.4 | M32 |
| 2,218 | / | MVE 12500/1N-FD-91BP A | / | 12,391 | / | 437 | / | 8 | / | 17.1 | / | Δ | 6.2 | / | M32 |
| 2,634 | 1,856 | MVE 15000/1N-FD-105BR B | MVE 15000/12N-FD-105BR B | 14,706 | 14,923 | 674 | 632 | 11.9 | 14.2 | 21 | 21 | Δ | 5.8 | 5.8 | M32 |
| 3,220 | 2,147 | MVE 17500/1N-FD-105BR B | MVE 17500/12N-FD-105BR B | 17,980 | 17,264 | 700 | 640 | 11.9 | 14.2 | 21 | 21 | Δ | 5.6 | 5.9 | M32 |
| 3,632 | 2,525 | MVE 19500/1N-FD-105BR B | MVE 19500/12N-FD-105BR B | 20,285 | 20,299 | 720 | 680 | 12 | 14.5 | 24 | 24 | Δ | 5.4 | 5.6 | M32 |
| 4,572 | 3,163 | MVE 25000/1N-FD-110BS B | MVE 25000/12N-FD-110BS B | 25,532 | 25,432 | 982 | 925 | 13.9 | 17 | 28 | 28 | Δ | 4.8 | 5.3 | M32 |

## MVE-FD 8 POLES 750/900 rpm

| Wm (kgcm) | | Model | | Centrifugal Force (kg) | | Weight (kg) | | ELECTRICAL SPECIFICATIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Input Power (kW) | | Nominal Current | | * Terminal Connection | Ia / In (Ampere) | | Cable Gland |
| 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 400V 50Hz | 460V 60Hz | | 50Hz | 60Hz | Metric |
| 806 | 806 | MVE 2600/075N-FD-80AX A | MVE 3700/090N-FD-80AX A | 2,531 | 3,645 | 207 | 207 | 2.5 | 3 | 6 | 6 | Y | 3.5 | 3.5 | M25 |
| 960 | 960 | MVE 3000/075N-FD-80AX A | MVE 4400/090N-FD-80AX A | 3,015 | 4,342 | 232 | 232 | 5 | 5.9 | 13.5 | 14.2 | Y | 3.6 | 3.6 | M25 |
| 1,932 | 1,932 | MVE 6000/075N-FD-90BP A | MVE 8700/090N-FD-90BP A | 6,071 | 8,742 | 397 | 397 | 6.8 | 7.5 | 13.4 | 12.5 | Δ | 3.5 | 3.5 | M32 |
| 2,218 | 2,218 | MVE 7000/075N-FD-91BP A | MVE 10000/090N-FD-91BP A | 6,969 | 10,036 | 421 | 421 | 7 | 7.7 | 14.7 | 13.4 | Δ | 4.6 | 3.5 | M32 |
| 3,713 | 3,220 | MVE 14000/075N-FD-105BR B | MVE 14000/090N-FD-105BR B | 11,661 | 14,563 | 730 | 704 | 9 | 10.6 | 19 | 19 | Δ | 4.5 | 5 | M32 |
| 4,401 | 3,920 | MVE 17000/075N-FD-105BR B | MVE 17000/090N-FD-105BR B | 13,822 | 17,729 | 753 | 733 | 9.1 | 11 | 20 | 20 | Δ | 5.3 | 5.8 | M32 |
| 5,857 | 4,999 | MVE 22000/075N-FD-110BS B | MVE 22000/090N-FD-110BS B | 18,395 | 22,610 | 970 | 925 | 13.8 | 16.5 | 28 | 28 | Δ | 5.6 | 5.2 | M32 |

60Hz masses = 50Hz masses adjusted at 100%

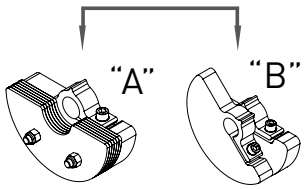
To convert kg into Newton: N = 9.81 · kg

- II3D Ex tc IIIC Tx IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with Essential Health and Safety Requirements
- EN 60079-0, EN 60079-31

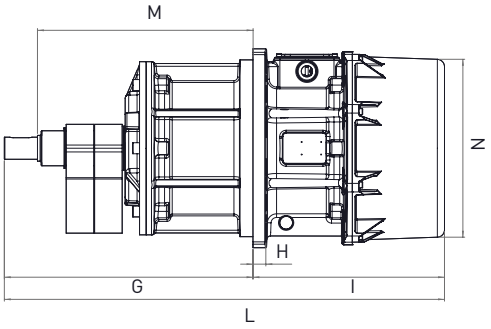
Product code digit for masses follows the scheme as below:

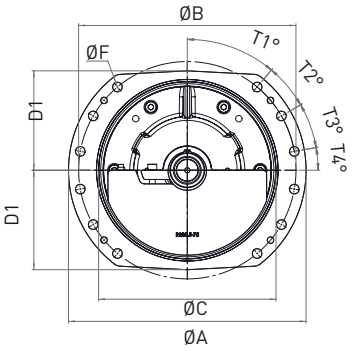
*Example:*

MVE 8500/1N-FD-90BP ...

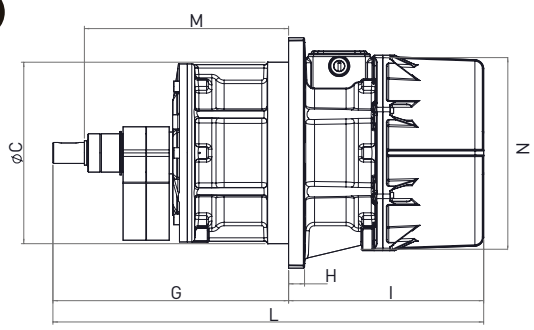


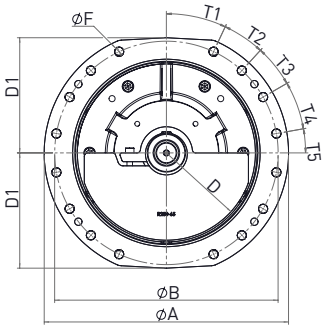

**T**



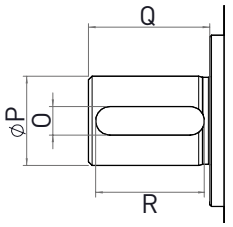

**U**




**SHAFT EDGE**

| Type | O | Ø P | Q | R |
|---|---|---|---|---|
| Tolerances | H8 | g6 | ± 0.2 | ± 0.2 |




*Parallel Key round ended DIN 6885 A*

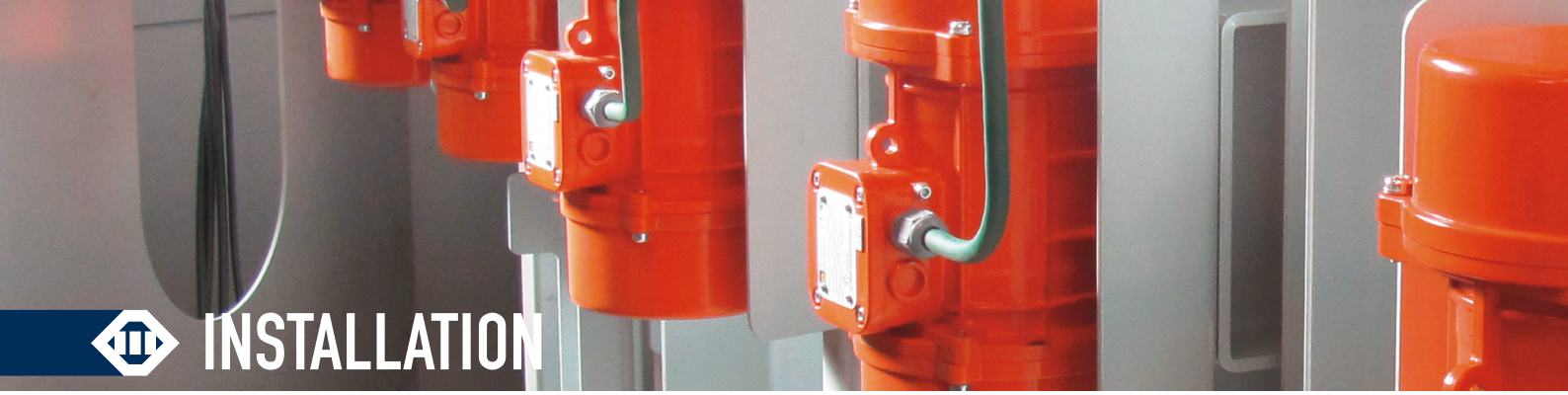
| Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | | | | | | | | | | Screw |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Holes | B | F | A | C | D | D1 | G | | H | I | L | | M | N | O | P | Q | R | T1 | T2 | T3 | T4 | T5 | |
| | | | | | | | | | 50Hz | 60Hz | | | 50Hz | 60Hz | | | | | | | | | | | | |
| R | 80AX | 6 | 355 | 22 | 400 | 302 | 130 | 177 | 399 | 389 | 28 | 501 | 900 | 890 | 333 | 284 | 8 | 25 | 34 | 30.5 | 30 | 60 | / | / | / | M20 |
| R | 80AX | 6 | 355 | 22 | 400 | 302 | 130 | 177 | 459 | 429 | 28 | 521 | 980 | 950 | 333 | 284 | 8 | 25 | 34 | 30.5 | 30 | 60 | / | / | / | M20 |
| S | 90BP | 12 | 500 | 22 | 560 | 400 | 180 | 260 | 411 | 376 | 30 | 460 | 871 | 836 | 337 | 378 | 12 | 40 | 36 | 30.5 | 25 | 25 | 27.5 | 12.5 | / | M20 |
| S | 91BP | 12 | 500 | 22 | 560 | 400 | 180 | 260 | 473.5 | 458.5 | 30 | 523 | 996 | 981.5 | 392 | 378 | 12 | 40 | 36 | 30.5 | 25 | 25 | 27.5 | 12.5 | / | M20 |
| S | 91BP | 12 | 500 | 22 | 560 | 400 | 180 | 260 | 488.5 | / | 30 | 523 | 1,011 | / | 392 | 378 | 12 | 40 | 36 | 30.5 | 25 | 25 | 27.5 | 12.5 | / | M20 |
| T | 105BR | 12 | 590 | 26 | 645 | 480 | 231 | 270 | 675 | 675 | 35 | 520 | 1,195 | 1,195 | 585 | 495 | 18 | 60 | 90 | 60 | 40 | 20 | 20 | 10 | / | M24 |
| T | 105BR | 12 | 590 | 26 | 645 | 480 | 231 | 270 | 675 | 675 | 35 | 520 | 1,195 | 1,195 | 585 | 495 | 18 | 60 | 90 | 60 | 40 | 20 | 20 | 10 | / | M24 |
| T | 105BR | 12 | 590 | 26 | 645 | 480 | 231 | 270 | 675 | 675 | 35 | 520 | 1,225 | 1,225 | 585 | 495 | 18 | 60 | 90 | 60 | 40 | 20 | 20 | 10 | / | M24 |
| U | 110BS | 16 | 640 | 26 | 700 | 520 | 250 | 330 | 675 | 675 | 45 | 559 | 1,234 | 1,234 | 575 | 550 | 18 | 60 | 90 | 60 | 25 | 17.5 | 17.5 | 20 | 10 | M24 |

| Drawing | Size | DIMENSIONAL SPECIFICATIONS (mm) | | | | | | | | | | | | | | | | | | | | | | | | Screw |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Holes | B | F | A | C | D | D1 | G | | H | I | L | | M | N | O | P | Q | R | T1 | T2 | T3 | T4 | T5 | |
| | | | | | | | | | 50Hz | 60Hz | | | 50Hz | 60Hz | | | | | | | | | | | | |
| R | 80AX | 6 | 355 | 22 | 400 | 302 | 130 | 177 | 399 | 399 | 28 | 501 | 900 | 900 | 333 | 284 | 8 | 25 | 34 | 30.5 | 30 | 60 | / | / | / | M20 |
| R | 80AX | 6 | 355 | 22 | 400 | 302 | 130 | 177 | 459 | 459 | 28 | 521 | 980 | 980 | 333 | 284 | 8 | 25 | 34 | 30.5 | 30 | 60 | / | / | / | M20 |
| S | 90BP | 12 | 500 | 22 | 560 | 400 | 180 | 260 | 441 | 441 | 30 | 460 | 901 | 901 | 337 | 378 | 12 | 40 | 36 | 30.5 | 25 | 25 | 27.5 | 12.5 | / | M20 |
| S | 91BP | 12 | 500 | 22 | 560 | 400 | 180 | 260 | 488.5 | 488.5 | 30 | 523 | 1,011 | 1,011 | 392 | 378 | 12 | 40 | 36 | 30.5 | 25 | 25 | 27.5 | 12.5 | / | M20 |
| T | 105BR | 12 | 590 | 26 | 645 | 480 | 231 | 270 | 675 | 675 | 35 | 520 | 1,195 | 1,195 | 585 | 495 | 18 | 60 | 90 | 60 | 40 | 20 | 20 | 10 | / | M24 |
| T | 105BR | 12 | 590 | 26 | 645 | 480 | 231 | 270 | 675 | 675 | 35 | 520 | 1,225 | 1,225 | 585 | 495 | 18 | 60 | 90 | 60 | 40 | 20 | 20 | 10 | / | M24 |
| U | 110BS | 16 | 640 | 26 | 700 | 520 | 250 | 330 | 675 | 675 | 45 | 559 | 1,234 | 1,234 | 575 | 550 | 18 | 60 | 90 | 60 | 25 | 17.5 | 17.5 | 20 | 10 | M24 |

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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» Declaration of conformity "type B" according to: 2014/35/UE - 2023/1230 EC - EN 60034-1
» Conform to UL1446 and CSA 22.2 No 0-10



# INSTALLATION

## Mounting

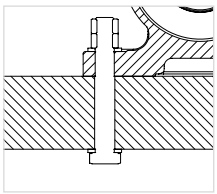
The base plate surface where the vibrator is mounted has an allowable tolerance of 0.25mm (0.01in), so that the surfaces rest uniformly against each other to avoid internal tension that may cause breakage of the foot of the vibrator.
Use 8.8 type bolts, 8.0 type nuts and flat washers belonging to category A EN ISO 7089 / 7092.

The graph below shows the correct torque settings for the different bolt sizes used on the vibrators.

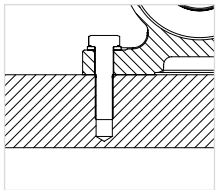
### Vibrator / Machine interface

| Screw | | Washer | | Clamping torque | |
|---|---|---|---|---|---|
| Metric | Imperial | Metric UNI 6592 | Imperial Flat washer | (Nm) | (ftlb) |
| M6 | 1/4" | 6.4 x 12 | 1/4" | 9 | 6.5 |
| M8 | 5/16" | 8.4 x 16 | 5/16" | 23 | 16.5 |
| M10 | 3/8" | 10.5 x 20 | 3/8" | 45 | 33 |
| M12 | 1/2" | 13 x 24 | 1/2" | 80 | 58 |
| M16 | 5/8" | 17 x 30 | 5/8" | 185 | 137 |
| M20 | 13/16" | 21 x 37 | 13/16" | 373 | 275 |
| M22 | 7/8" | 23 x 39 | 7/8" | 550 | 411 |
| M24 | 15/16" | 25 x 44 | 15/16" | 696 | 513 |
| M27 | 1" | 28 x 50 | 1" | 873 | 645 |
| M36 | 1-3/8" | 37 x 66 | 1-3/8" | 1,864 | 1,370 |
| M42 | 1 5/8" | 37 x 66 | 1 5/8" | 2,850 | 2,102 |

### FIXING

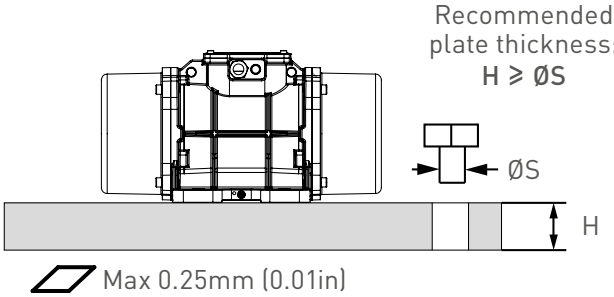


Smooth through borehole
+ screw
+ flat washer
+ nut and counternut



Tapped threaded borehole
+ screw
+ flat washer

### SURFACE FLATNESS TOLERANCE






**MACHINED & NOT PAINTED SUPPORT PLATE**



# Electrical connection

Verify that the voltage and frequency supply match the ones indicated on the rating plate of the electric vibrator.
If the vibrator is operated via a variable frequency drive do not run it under 20 Hz and not over the rated frequency.
Insert the power cable through the cable gland. The lead-in wires have to be of the eyelet-type, pre-insulated, with a bore that suits the terminals of the junction box in order to prevent overheating of the wire. Use only conductors that have a suitable cross-section.

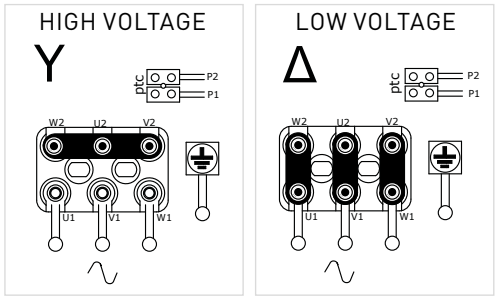
Connect the lead wires to the pins (as shown in the diagram below) and tighten them with the specified torque.

**Do not forget to fix the earthing cable to the provided studs → Compulsory connection!**

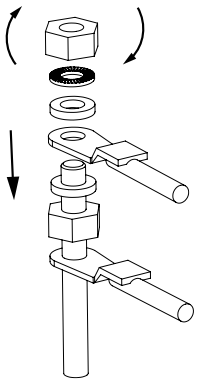
Before closing the junction box make sure that the cover gasket is properly fitted in order to keep the specified IP protection.
For more details on vibrator installation refer to product manuals.

| Junction box nuts tightening torque | | |
|---|---|---|
| Screw | Nm | ftlb |
| M4 | 2.5 | 1.84 |
| M5 | 4 | 2.95 |
| M6 | 5 | 3.69 |
| M8 | 6 | 4.43 |
| M10 | 8 | 5.90 |

**TERMINAL CONNECTIONS**




Check "Terminal Connection" column label to know the factory preset connection of each vibrator.

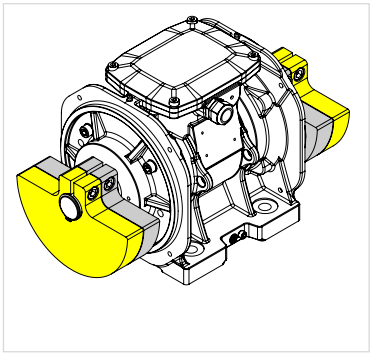


# Overload protection

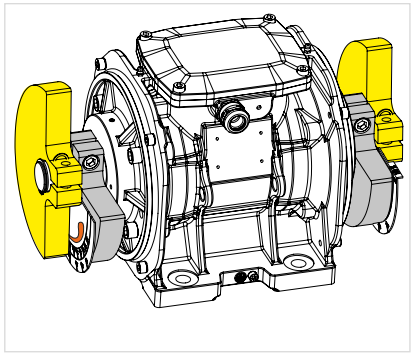
All electric vibrators MUST be connected to a suitable external overload protection.
When using two electric vibrators in sync, each of them has to be connected to an external overload protection that must be interlocked to make sure both vibrators are stopped if one fails.
Always use a thermal-magnetic type vibrator protection, with delayed cut-off, to avoid stopping the vibrator during start-up when the current draw is higher than the rated running current for a few seconds.
Cut-off of the overload protection should be set at a maximum of +10% of the rated current.

# HOW TO CHANGE THE VIBRATION INTENSITY

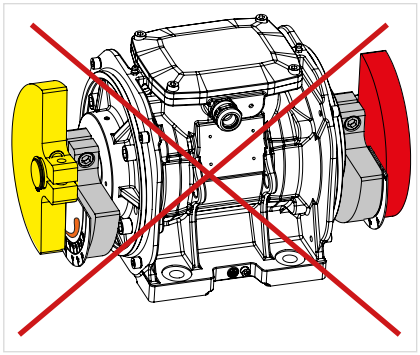
## Adjustable masses – Type 1



MASSES AT 100%



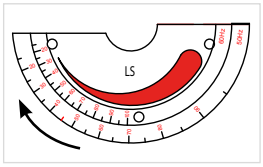
ADJUSTED MASSES



INCORRECTLY ADJUSTED MASSES

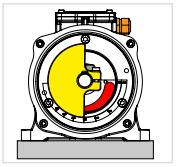
**2 TIPS TO CORRECTLY ADJUST MASSES:**

Rotate the mass following the design on the plate: from the thicker tip towards the thin tip.

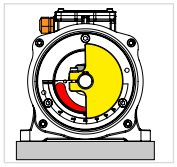



*left side of the vibrator. for sizes up to 60*

Rotate the masses in the opposite direction to the cable gland.

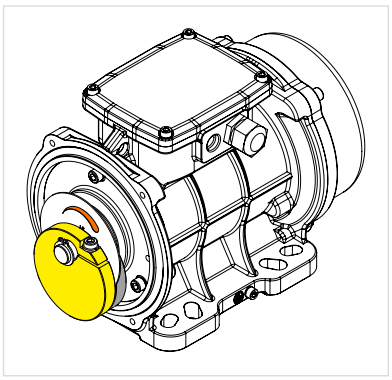


*left side*

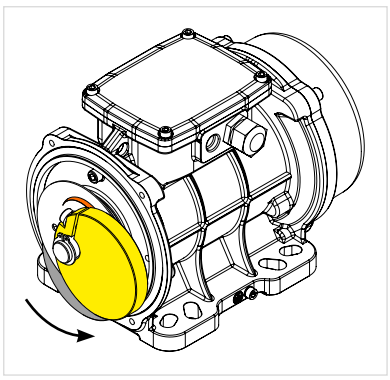


*right side*

## Adjustable masses – Type 2

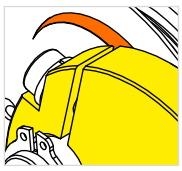


MASSES AT 100%

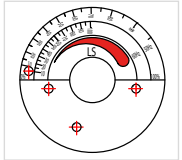


ADJUSTED MASSES

The fissure in the mass indicates the degree of adjustment.

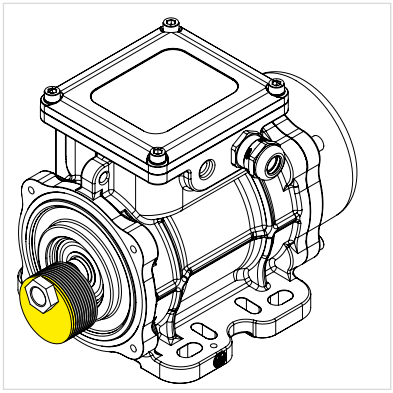


Rotate the mass following the design on the plate: from the thicker tip towards the thin tip.

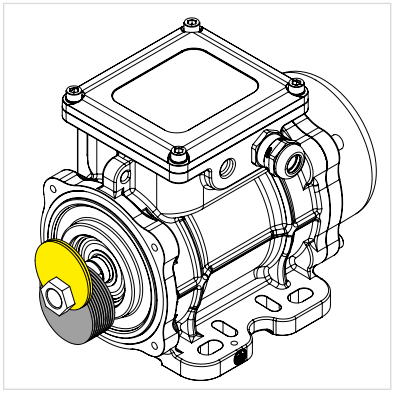




## Adjustable masses – Type 3 (blade masses)



MASSES AT 100%



ADJUSTED MASSES

For technical information on the regulation of blade masses refer to the Use and Maintenance Manual.

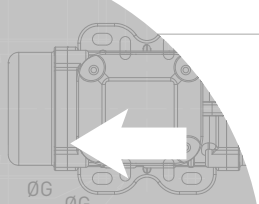
### Warning:
### DO NOT grease new motors before installation.

OLI motors with roller bearings leave the factory filled with the right quantity of grease while those with ball bearing do not need any lubrication.

Note:

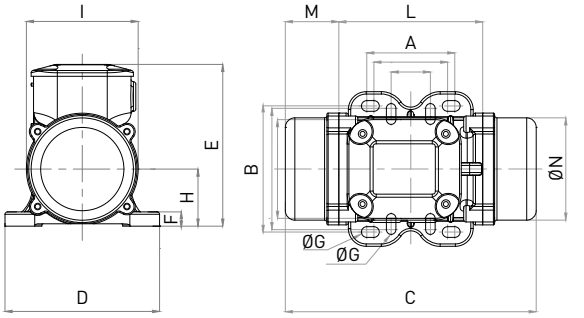
Note:

Note:

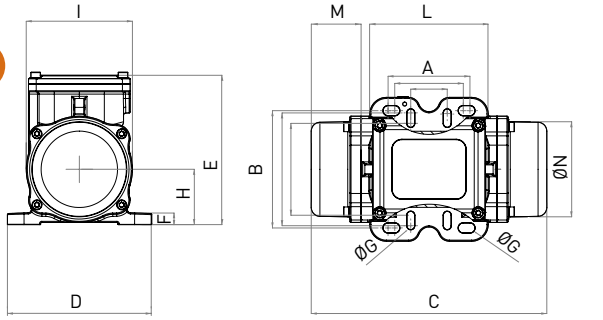


# Technical drawings

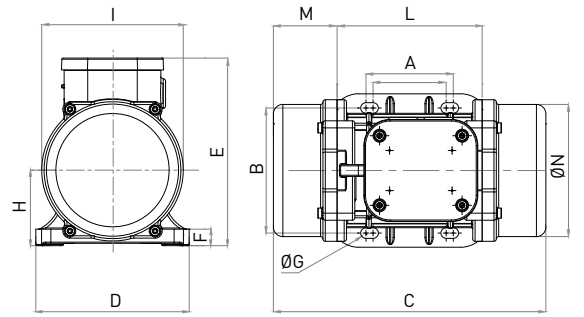
**A**



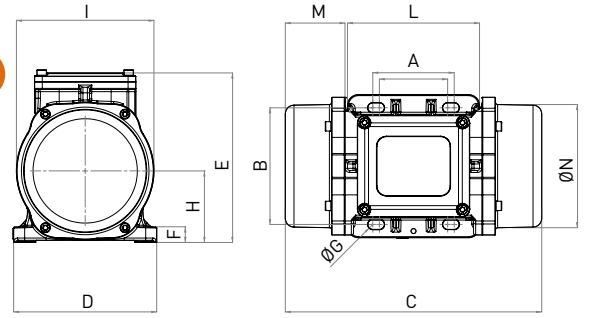

**A1**



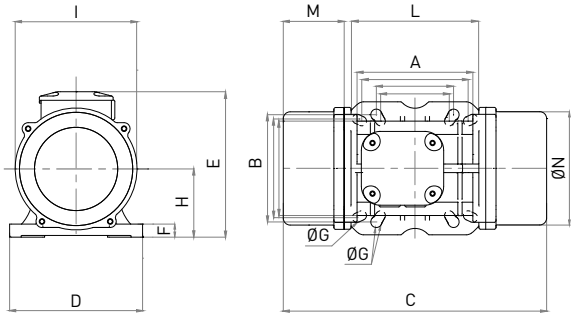

**B**



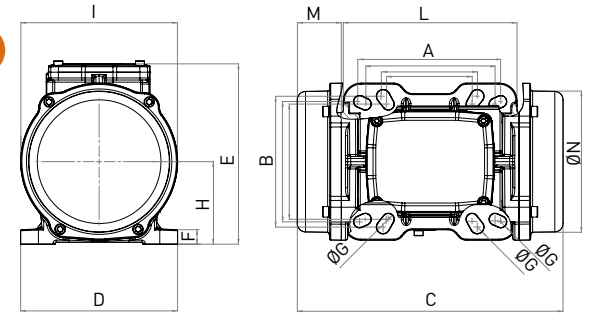

**B1**



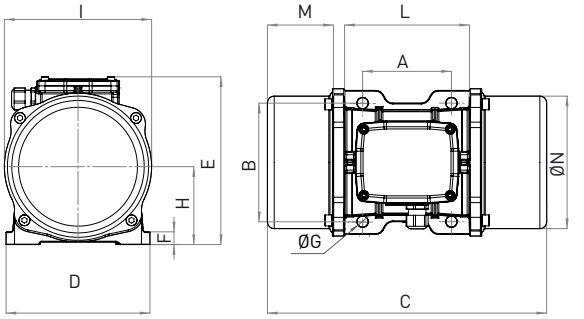

**C**



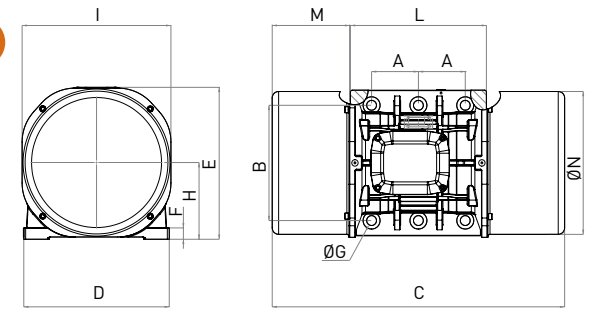

**C1**



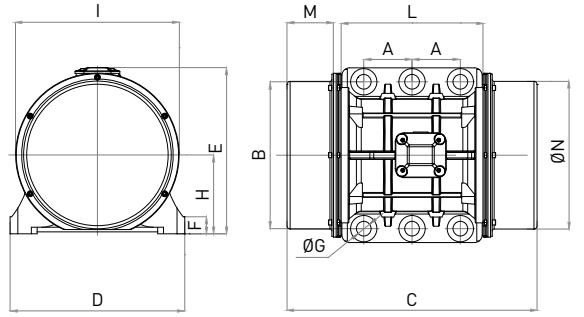

**D1**



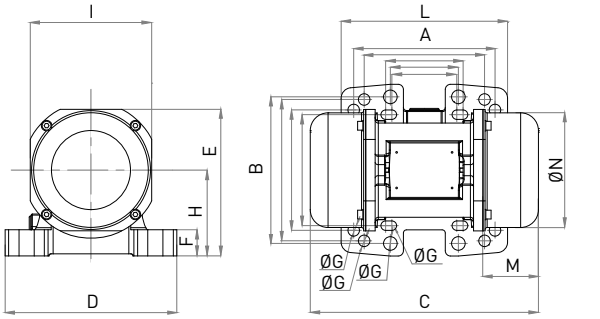

**E1**



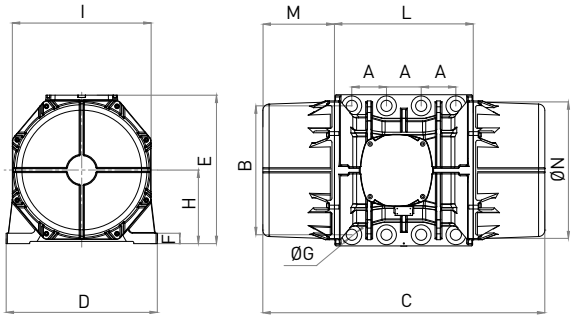

**E**




**G**




**H**



# WHEN YOU NEED IT, WHERE YOU NEED IT.

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