



# STANDARD RANGE



## MVE-DC DIRECT CURRENT 3000 rpm

II 3D Temp. Class: ● 100 °C

|              |                           |       |                              |                | ELECTRICAL SPECIFICATIONS |                             |             |
|--------------|---------------------------|-------|------------------------------|----------------|---------------------------|-----------------------------|-------------|
| Wm<br>(kgcm) | Model                     | rpm   | Centrifugal<br>Force<br>(kg) | Weight<br>(kg) | Input Power<br>(kW)       | Nominal<br>Current<br>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

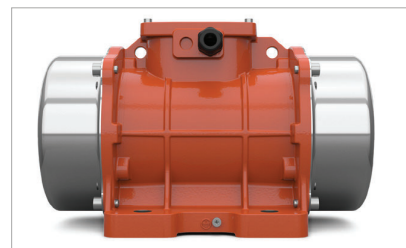
SIZE 23A0



SIZE 40A0



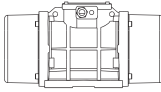
SIZE 50A0



To convert kg into Newton:  $N = 9.81 \cdot kg$



- » II 3D 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



STANDARD

INCREASED SAFETY

EXPLOSION-PROOF

GRAIN PROCESSING

SCREEN VIBRATOR

STAINLESS STEEL

FLANGED DRIVE

|                         |         |      | DIMENSIONAL SPECIFICATIONS (mm) |    |                    |        |     |       |     |     |    |    |     |     |     |
|-------------------------|---------|------|---------------------------------|----|--------------------|--------|-----|-------|-----|-----|----|----|-----|-----|-----|
| Model                   | Drawing | Size | C                               | M  | A                  | B      | Ø G | Holes | D   | E   | F  | H  | I   | L   | N   |
|                         |         |      |                                 |    |                    |        |     | N°    |     |     |    |    |     |     |     |
| MVE 50/3N-DC-10A0-12V   | A       | 10A0 | 213                             | 45 | Multiple Footprint |        |     | 4     | 130 | 136 | 12 | 48 | 94  | 121 | 85  |
|                         |         |      |                                 |    | 62-74              | 106    | 9   |       |     |     |    |    |     |     |     |
| MVE 50/3N-DC-10A0-24V   | A       | 10A0 | 213                             | 45 | 33                 | 83-102 | 7   | 4     | 130 | 136 | 12 | 48 | 94  | 121 | 85  |
| MVE 120/3N-DC-23A0-12V  | G       | 23A0 | 218                             | 53 | Multiple Footprint |        |     | 4     | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
|                         |         |      |                                 |    | 62-74              | 106    | 9   |       |     |     |    |    |     |     |     |
| MVE 120/3N-DC-23A0-24V  | G       | 23A0 | 218                             | 53 | 65                 | 140    | 13  | 4     | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
| MVE 200/3N-DC-23A0-12V  | G       | 23A0 | 218                             | 53 | 115                | 135    | 11  | 4     | 164 | 140 | 25 | 82 | 116 | 159 | 110 |
|                         |         |      |                                 |    | 135                | 115    | 11  |       |     |     |    |    |     |     |     |
| 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 |