

# MVE STANDARD RANGE



## 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; ▲ Low Voltage

| Wm<br>(KgcM) |       | Model               |                     | Centrifugal<br>Force<br>(kg) |        | Weight<br>(kg) |       | ELECTRICAL SPECIFICATIONS |       |                                |                |                          |       |      |                |
|--------------|-------|---------------------|---------------------|------------------------------|--------|----------------|-------|---------------------------|-------|--------------------------------|----------------|--------------------------|-------|------|----------------|
|              |       |                     |                     |                              |        |                |       | Input Power<br>(kW)       |       | Standard<br>Nominal<br>Current |                | * Terminal<br>Connection | Ia/In |      | Cable<br>Gland |
|              |       |                     |                     |                              |        |                |       | 50Hz                      | 60Hz  | 50Hz<br>(400V)                 | 60Hz<br>(460V) |                          | 50Hz  | 60Hz |                |
| 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             | 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           | 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           | 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             | 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             | 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           | 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            | 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            | 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            | 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            | 4.00  | 4.80                      | 8.50  | 8.70                           | ▲              | 7.0                      | 7.1   | M32  | ●              |
| 718.0        | 498.8 | MVE 9000/15E-85A0   | MVE 9000/18E-85A0   | 9,020                        | 9,023  | 252            | 7.35  | 8.50                      | 13.40 | 12.00                          | ▲              | 7.2                      | 7.2   | M32  | ●              |
| 579.9        | 406.0 | MVE 7200/15E-86A0   | MVE 7200/18E-86A0   | 7,286                        | 7,345  | 237            | 6.00  | 6.50                      | 11.00 | 10.80                          | ▲              | 4.7                      | 4.5   | M32  | ●              |
| 724.8        | 507.0 | MVE 9000/15E-86A0   | MVE 9000/18E-86A0   | 9,106                        | 9,172  | 252            | 6.00  | 6.50                      | 11.00 | 10.80                          | ▲              | 4.7                      | 4.5   | M32  | ●              |
| 800.1        | 588.3 | MVE 10000/15E-90A0  | MVE 10000/18E-90A0  | 10,052                       | 10,643 | 300            | 5.40  | 7.00                      | 13.00 | 13.00                          | ▲              | 6.7                      | 6.6   | M32  | ●              |
| 835.7        | 581.3 | MVE 10000/15E-91A0  | MVE 10000/18E-91A0  | 10,499                       | 10,517 | 300            | 7.00  | 8.20                      | 13.10 | 13.10                          | ▲              | 7.2                      | 7.7   | M32  | ●              |
| 939          | 655   | MVE 11500/15E-100A0 | MVE 11500/18E-100A0 | 11,779                       | 11,853 | 445            | 9.00  | 10.00                     | 15.50 | 15.50                          | ▲              | 7.0                      | 7.0   | M32  | ●              |
| 1,142        | 838   | MVE 14500/15E-100A0 | MVE 14500/18E-100A0 | 14,352                       | 15,153 | 460            | 11.00 | 13.00                     | 18.50 | 18.50                          | ▲              | 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:  $N = 9.81 \cdot kg$



- II/2D 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   |
| 50 Hz               | 60 Hz               |         |      | 50Hz                            | 60Hz | 50Hz   | 60Hz |     |     |      | n°    |     |     |     |     |     |     |     |
| MVE 40/15E-10A0     | MVE 40/18E-10A0     | A       | 10A0 | 213                             | 45   | Multiple Footprint<br>62-74 106 9<br>33 83-102 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<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 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 |     |     |

STANDARD  
INCREASED SAFETY  
EXPLOSION-PROOF  
GRAIN PROCESSING  
SCREEN VIBRATOR  
STAINLESS STEEL

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