

Three-phase Industrial Vibrators

EA,EA-X Series



The EA and EB series of electric unbalanced vibrators (as well as their ATEX versions) are comprehensive ranges of three-phase industrial vibrators with bolt-on mounting.

The EA and EB ranges are extensive: they offer speeds ranging from 750 rpm to 3 000 rpm, with a centrifugal force of up to 10 kN for the most powerful model in the series.

The vibrations generated are suitable for a wide range of sectors: chemicals, quarrying, plastics, energy, civil engineering, recycling, food processing...

On request :

Insulation class H – Stainless steel feeder side covers – Special center distances – Special voltages and frequencies – Addition of heating resistor.

EA series vibrators can be used with a frequency converter, which we can supply on demand,



Features:

- Standard three-phase power supply 400 V at 50 Hz
- Insulation class F
- Mechanical protection: IP65-7
- Class H resin-impregnated motor (ASTM method)
- Improved NiCrMo steel motor shaft
- Oversized bearings, lubricated with special "LONG-LIFE" grease KLUBER STABURAGS NBU 8 EP
- Supplied unwired and boltless



Highlights:

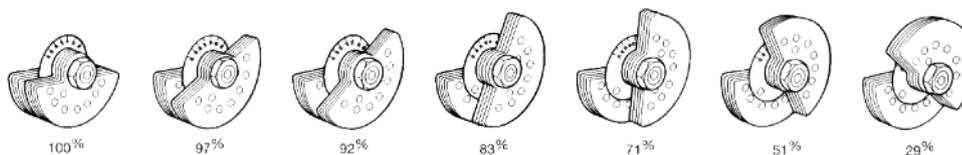
- Electric motor designed with low-loss silicon magnetic steel air gaps, for enhanced performance and reduced heat build-up
- Continuous operation at maximum centrifugal force
- Adjustable centrifugal weights to vary centrifugal force from 30 to 100%.

Energy : Electric

Sectors : Building and construction, Industry, Prefabrication

Applications : Compaction, Conveying, Draining, Flow, Screening, Sieving, Sorting, Unclogging

Adjustment of the vibration intensity



Industrial vibrators

EA 75--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight
Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

8 Poles – 750 rpm - 50 Hz and 900 rpm - 60 Hz

| Type | Eccentric weights | Static Moment (Kg/mm) | | Centrifugal Force (Kg) | | Weight (Kg) | | Input power/ Nominal power (W) | | Nominal current (A) | | IS/IN Ratio | |
|--------|-------------------|-----------------------|--------|------------------------|-------|-------------|-------|--------------------------------|-----------|---------------------|-------------|-------------|-------|
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 400 V 50 Hz | 460 V 60 Hz | 50 Hz | 60 Hz |
| EA7501 | L | 82.10 | 82.10 | 52 | 74 | 10.80 | 10.80 | 105 / 62 | 110 / 60 | 0.26 | 0.26 | 1.58 | 1.54 |
| EA7502 | DL | 160.60 | 160.60 | 101 | 145 | 22.80 | 22.80 | 210 / 135 | 230 / 130 | 0.54 | 0.52 | 2.07 | 2.33 |
| EA7503 | DL | 199.00 | 199.00 | 125 | 180 | 24.30 | 24.30 | 210 / 120 | 230 / 135 | 0.54 | 0.52 | 2.07 | 2.33 |
| EA7504 | DL | 282.00 | 282.00 | 177 | 255 | 34.50 | 34.50 | 240 / 160 | 300 / 190 | 0.62 | 0.65 | 2.32 | 2.29 |
| EA7505 | DL | 437.00 | 437.00 | 275 | 396 | 40.50 | 40.50 | 300 / 200 | 360 / 240 | 0.69 | 0.68 | 2.22 | 2.34 |

DL : Eccentric weights in half-moon L : Eccentric weights in slice

| Type | FIG | A | B | C | D | ØE | F | G | L | M | ØN | P | Q | R | S |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|-----|----|----|----|
| EA7501 | 3 | 298 | 166 | 184 | 162 | 130 | 75 | 69 | 90 | 125 à 140 | 4 x M12 4 x M10 | 125 | 35 | 38 | 25 |
| EA7502 | 4 | 350 | 190 | 205 | 187 | 151 | 85 | 85 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA7503 | 4 | 350 | 190 | 205 | 187 | 151 | 85 | 85 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA7504 | 4 | 355 | 210 | 236 | 216 | 181 | 101 | 71 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |
| EA7505 | 4 | 415 | 210 | 236 | 216 | 181 | 101 | 101 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |

Dimensions : mm

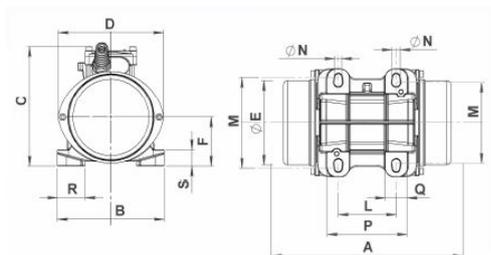


FIG 3

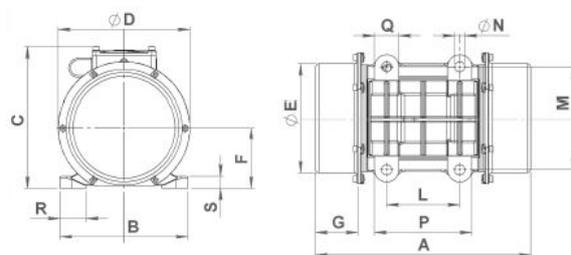


FIG 4

Industrial vibrators

EA 10--

6 Poles – 1 000 rpm - 50 Hz and 1 200 rpm - 60 Hz

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight
Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

| Type | Eccentric weights | Static Moment (Kg/mm) | | Centrifugal Force (Kg) | | Weight (Kg) | | Input power/ Nominal power (W) | | Nominal current (A) | | IS/IN Ratio | |
|----------|-------------------|-----------------------|--------|------------------------|-------|-------------|-------|--------------------------------|---------|---------------------|----------------|-------------|-------|
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 400 V 50 Hz | 480 V 60 Hz | 50 Hz | 60 Hz |
| EA1000 | L | 31.00 | 31.00 | 35 | 50 | 6.06 | 6.06 | 90/25 | 90/45 | 0.35 | 0.35 | 1.38 | 1.26 |
| EA1001 | L | 82.10 | 82.10 | 92 | 132 | 10.80 | 10.80 | 140/90 | 160/90 | 0.38 | 0.37 | 1.80 | 1.90 |
| EA1002-X | DL | 160.60 | 160.60 | 180 | 259 | 22.80 | 22.80 | 240/150 | 280/170 | 0.53 | 0.54 | 3.30 | 3.48 |
| EA1003-X | DL | 199.00 | 199.00 | 222 | 320 | 24.30 | 24.30 | 260/150 | 300/170 | 0.55 | 0.56 | 3.19 | 3.36 |
| EA1004-X | DL | 282.00 | 282.00 | 315 | 454 | 33.50 | 33.50 | 320/200 | 350/230 | 0.70 | 0.68 | 2.83 | 3.06 |
| EA1006-X | DL | 437.00 | 355.00 | 489 | 572 | 40.50 | 37.90 | 450/260 | 520/290 | 0.95 | 0.95 | 2.79 | 2.93 |

DL : Eccentric weights in half-moon L : Eccentric weights in slice

| Type | FIG | A | B | C | D | Ø E | F | G | L | M | Ø N | P | Q | R | S |
|----------|-----|-----|-----|-----|-----|-----|-----|----|---------------|------------|--------------------|-----|----|----|----|
| EA1000 | 2 | 230 | 150 | 150 | 132 | 105 | 59 | 55 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA1001 | 3 | 298 | 166 | 184 | 162 | 130 | 75 | 69 | 90 | 125 à 140 | 4 x M12 4 x M10 | 125 | 35 | 38 | 25 |
| EA1002-X | 4 | 350 | 190 | 205 | 187 | 151 | 85 | 85 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA1003-X | 4 | 350 | 190 | 205 | 187 | 151 | 85 | 85 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA1004-X | 4 | 355 | 210 | 236 | 216 | 181 | 101 | 71 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |
| EA1006-X | 4 | 355 | 210 | 236 | 216 | 181 | 101 | 71 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |

Dimensions : mm

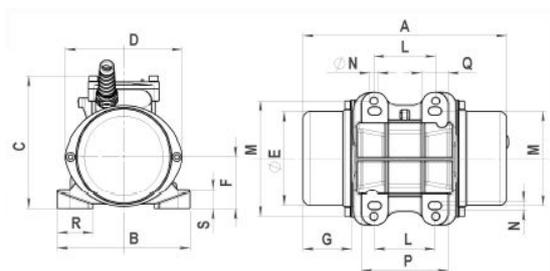


FIG 2

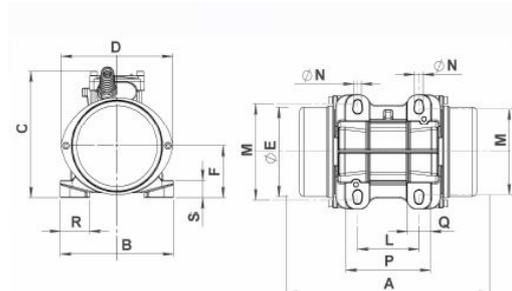


FIG 3

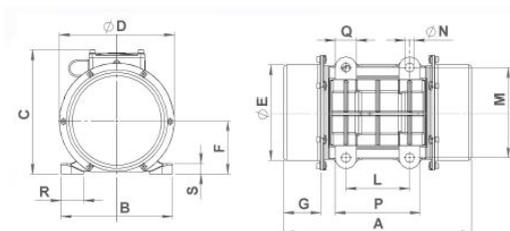


FIG 4

Industrial vibrators

EA 15--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight

Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

4 Poles – 1 500 rpm - 50 Hz and 1 800 rpm - 60 Hz

| Type | Eccentric weights | Static Moment (Kg/mm) | | Centrifugal Force (Kg) | | Weight (Kg) | | Input power/ Nominal power (W) | | Nominal current (A) | | IS/IN Ratio | |
|----------|-------------------|-----------------------|--------|------------------------|-------|-------------|-------|--------------------------------|-----------|---------------------|-------------|-------------|-------|
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 400 V 50 Hz | 460 V 60 Hz | 50 Hz | 60 Hz |
| EA1450* | L | 9.60 | 7.20 | 24 | 26 | 3.75 | 3.70 | 75 / 45 | 80 / 50 | 0.15 | 0.15 | 1.80 | 1.87 |
| EA1500* | L | 12.40 | 9.30 | 31 | 34 | 5.00 | 4.85 | 100 / 40 | 110 / 45 | 0.25 | 0.24 | 1.67 | 1.83 |
| EA1501* | L | 21.70 | 15.50 | 55 | 56 | 5.49 | 5.15 | 100 / 40 | 110 / 45 | 0.25 | 0.24 | 1.67 | 1.83 |
| EA1502* | L | 31.00 | 21.70 | 78 | 79 | 5.90 | 5.60 | 100 / 40 | 110 / 45 | 0.25 | 0.24 | 1.67 | 1.83 |
| EA1503* | L | 82.10 | 56.40 | 207 | 204 | 11.00 | 9.90 | 180 / 100 | 190 / 110 | 0.45 | 0.42 | 2.62 | 3.00 |
| EA1504* | DL | 160.60 | 114.00 | 404 | 413 | 22.90 | 21.60 | 310 / 180 | 370 / 200 | 0.66 | 0.66 | 3.73 | 3.88 |
| EA1505-X | DL | 199.00 | 160.60 | 500 | 582 | 24.60 | 23.30 | 340 / 180 | 400 / 200 | 0.71 | 0.71 | 3.46 | 3.61 |
| EA1508-X | DL | 282.00 | 191.00 | 709 | 692 | 33.50 | 31.70 | 475 / 260 | 525 / 300 | 0.92 | 0.90 | 4.61 | 5.00 |
| EA1510-X | DL | 437.00 | 282.00 | 1099 | 1021 | 41.00 | 35.80 | 600 / 430 | 680 / 500 | 1.16 | 1.14 | 4.22 | 4.55 |

DL : Eccentric weights in half-moon L : Eccentric weights in slice

| Type | FIG | A | B | C | D | Ø E | F | G | L | M | Ø N | P | Q | R | S |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|---------------|----------------------|--------------------|-----|----|------|----|
| EA1450* | 1 | 195 | 125 | 120 | 104 | 79 | 45 | 46 | 62 à 65 33 | 85 à 106 82 à 102 | 4 x M8 4 x M6 | 83 | 33 | 32.5 | 10 |
| EA1500* | 2 | 212 | 150 | 150 | 132 | 105 | 59 | 46 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA1501* | 2 | 212 | 150 | 150 | 132 | 105 | 59 | 46 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA1502* | 2 | 230 | 150 | 150 | 132 | 105 | 59 | 55 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA1503* | 3 | 298 | 166 | 184 | 162 | 130 | 75 | 69 | 90 | 125 à 140 | 4 x M12 4 x M10 | 125 | 35 | 38 | 25 |
| EA1504* | 4 | 350 | 190 | 205 | 187 | 151 | 85 | 85 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA1505-X | 4 | 350 | 190 | 205 | 187 | 151 | 85 | 85 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA1508-X | 4 | 355 | 210 | 236 | 216 | 181 | 101 | 71 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |
| EA1510-X | 4 | 415 | 210 | 236 | 216 | 181 | 101 | 101 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |

Dimensions : mm * Existing in version ATEX and NON-ATEX

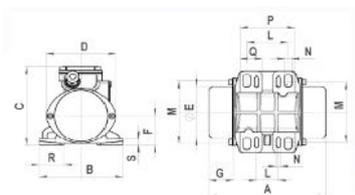


FIG 1

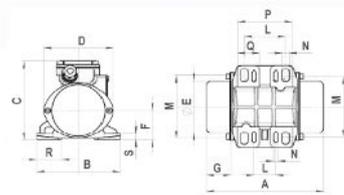


FIG 2

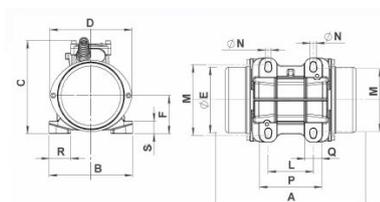


FIG 3

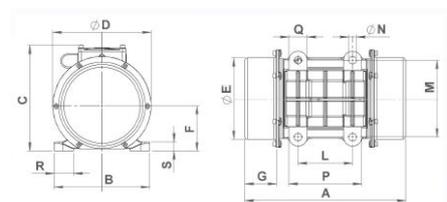


FIG 4

Industrial vibrators

EA 30--

230 / 400 V - 50 Hz and 240 / 480 V - 60 Hz adjustable weight
Special tension from 24 V to 690 V 50 Hz and 60 Hz available on request

2 Poles - 3 000 rpm - 50 Hz and 3 600 rpm - 60 Hz

| Type | Eccentric weights | Static Moment (Kg/mm) | | Centrifugal Force (Kg) | | Weight (Kg) | | Input power/ Nominal power (W) | | Nominal current (A) | | IS/IN Ratio | |
|----------|-------------------|-----------------------|-------|------------------------|-------|-------------|-------|--------------------------------|-----------|---------------------|-------------|-------------|-------|
| | | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 400 V 50 Hz | 460 V 60 Hz | 50 Hz | 60 Hz |
| EA2950* | L | 6.57 | 5.26 | 52 | 62 | 3.50 | 3.40 | 100 / 50 | 130 / 55 | 0.18 | 0.22 | 2.33 | 2.14 |
| EA3000* | L | 6.57 | 5.26 | 66 | 76 | 4.80 | 4.65 | 150 / 55 | 165 / 60 | 0.30 | 0.28 | 2.90 | 3.54 |
| EA3001* | L | 12.40 | 9.30 | 125 | 135 | 5.00 | 4.80 | 180 / 80 | 190 / 90 | 0.35 | 0.32 | 2.49 | 3.09 |
| EA3002* | L | 18.60 | 12.40 | 187 | 180 | 5.30 | 4.95 | 180 / 80 | 190 / 90 | 0.35 | 0.32 | 2.49 | 3.09 |
| EA3003* | L | 30.80 | 20.50 | 310 | 297 | 8.60 | 8.20 | 270 / 160 | 300 / 180 | 0.58 | 0.60 | 3.97 | 4.08 |
| EA3006 | L | 66.40 | 47.40 | 668 | 687 | 19.00 | 18.50 | 500 / 380 | 600 / 420 | 0.98 | 0.85 | 5.01 | 6.12 |
| EA3008-X | L | 85.40 | 56.90 | 859 | 825 | 28.00 | 27.60 | 600 / 350 | 700 / 360 | 1.00 | 1.00 | 4.37 | 4.64 |
| EA3010-X | L | 104.40 | 75.90 | 1050 | 1100 | 30.00 | 29.20 | 720 / 450 | 800 / 500 | 1.20 | 1.16 | 4.52 | 5.00 |

DL : Eccentric weights in half-moon L : Eccentric weights in slice

| Type | FIG | A | B | C | D | ØE | F | G | L | M | ØN | P | Q | R | S |
|----------|-----|-----|-----|-----|-----|-----|-----|----|---------------|----------------------|--------------------|-----|----|------|----|
| EA2950* | 1 | 177 | 125 | 120 | 104 | 79 | 45 | 37 | 62 à 65 33 | 85 à 106 82 à 102 | 4 x M8 4 x M6 | 83 | 33 | 32.5 | 10 |
| EA3000* | 2 | 212 | 150 | 150 | 132 | 105 | 59 | 46 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA3001* | 2 | 212 | 150 | 150 | 132 | 105 | 59 | 46 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA3002* | 2 | 212 | 150 | 150 | 132 | 105 | 59 | 46 | 62 à 74 70 | 106 130 | 4 x M8 | 98 | 30 | 35 | 22 |
| EA3003* | 3 | 260 | 166 | 184 | 162 | 130 | 75 | 50 | 90 | 125 à 140 | 4 x M12 4 x M10 | 125 | 35 | 38 | 25 |
| EA3006 | 4 | 288 | 190 | 205 | 187 | 151 | 85 | 54 | 100 | 160 | 4 x M12 | 136 | 33 | 40 | 16 |
| EA3008-X | 4 | 355 | 210 | 236 | 216 | 181 | 101 | 71 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |
| EA3010-X | 4 | 355 | 210 | 236 | 216 | 181 | 101 | 71 | 120 | 170 | 4 x M16 | 160 | 40 | 43 | 20 |

Dimensions : mm * Available in ATEX and NON-ATEX versions

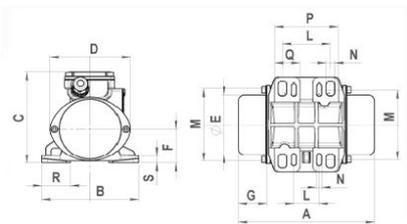


FIG 1

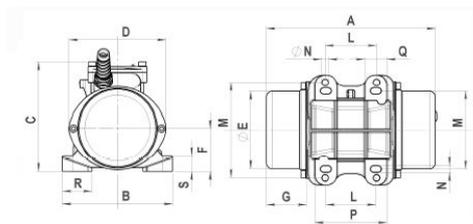


FIG 2

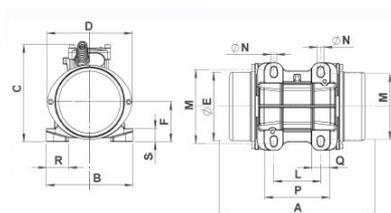


FIG 3

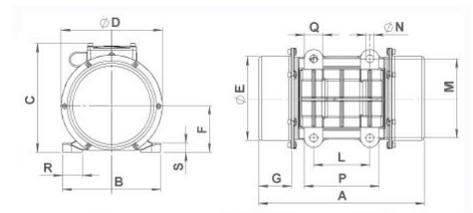


FIG 4