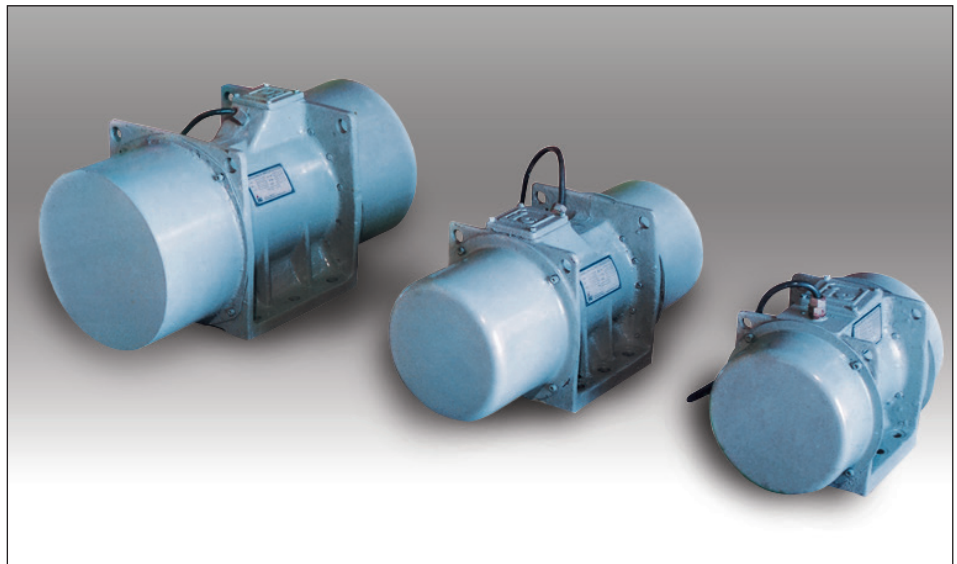
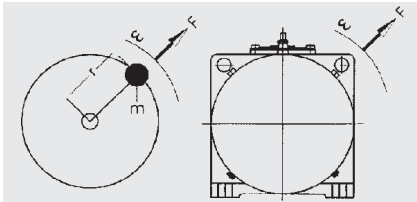




UNBALANCE MOTOR VIBRATORS TYPE-SE



IC unbalance motor vibrators are a.c. synchronous motors with two shaft extensions, to each of which are attached two unbalance discs. At standstill, the centrifugal force can be infinitely varied from zero to maximum by adjusting the unbalance accordingly. The motor shaft runs in liberally sized roller bearings.



All unbalance Motors undergo Type and Routine Tests as per relevant IS and DIN Standards in addition to vibration simulation tests.

Method of Operation

The unbalance motor generates a unidirectional centrifugal force (F) rotating at motor speed. The unbalance mass (m) is driven by an integral electric motor. Two unbalanced motors rotating in opposed directions synchronize with one another to generate a directional force with linear vibration movements.

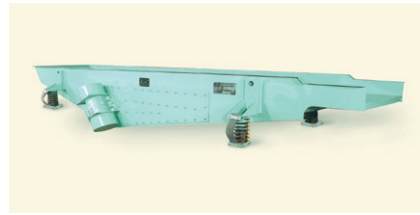
Application

In addition to driving vibrating conveyors, feeders and screens,

unbalanced motors are used for bin vibration, shake-out of moulding boxes in foundries, and for similar vibrating duties. For controlled feed duties, frequency inverters and brake systems are available.

Advantages

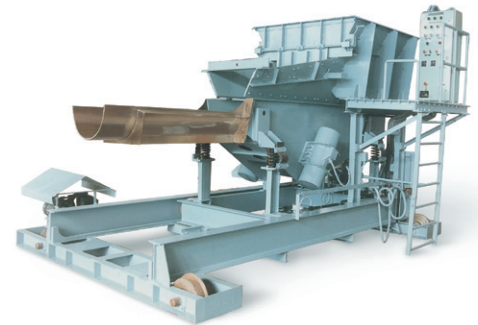
- Long service life.
- Low-noise operation.
- Excellent adaptability by stepless adjustment of centrifugal force.



- Ingeniously graded series
- Freedom from maintenance with vibration during bearings.
- Favourable cost performance ratio.



- Special vibration proof winding, dust tight and moisture resistant.
- For each application the optimum unbalance motor is available.



Technical Data

| Type | KW. | R.P.M. | Maximum Working Moment cmkg | Maximum Centr. Force Kn. | Protection | 1 AMPS 50 Hz, 415 V. | Wt. in Kg. |
|--------------|------|--------|-----------------------------|--------------------------|------------|----------------------|------------|
| SE-63-4 | 0.22 | 1500 | 63 | 7.9 | IP65 | 0.95 | 40 |
| SED/K-100-4 | 0.75 | 1500 | 116 | 14.30 | IP65 | 1.60 | 76 |
| SED/K-180-4 | 1.70 | 1500 | 216 | 26.65 | IP65 | 3.40 | 114 |
| SED/K-260-4 | 3.00 | 1500 | 304 | 37.50 | IP65 | 6.00 | 218 |
| SED/K-450-6 | 2.10 | 1000 | 520 | 28.50 | IP65 | 4.80 | 155 |
| SED/K-700-6 | 3.00 | 1000 | 872 | 47.80 | IP65 | 6.30 | 230 |
| SED/K-1060-6 | 4.00 | 1000 | 1240 | 68.00 | IP65 | 8.10 | 289 |
| SED/K-1460-6 | 4.30 | 1000 | 1460 | 80.00 | IP65 | 8.50 | 300 |

Motor ratings for 55°C ambient. Insulation Class F.



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REGISTERED OFFICE

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