

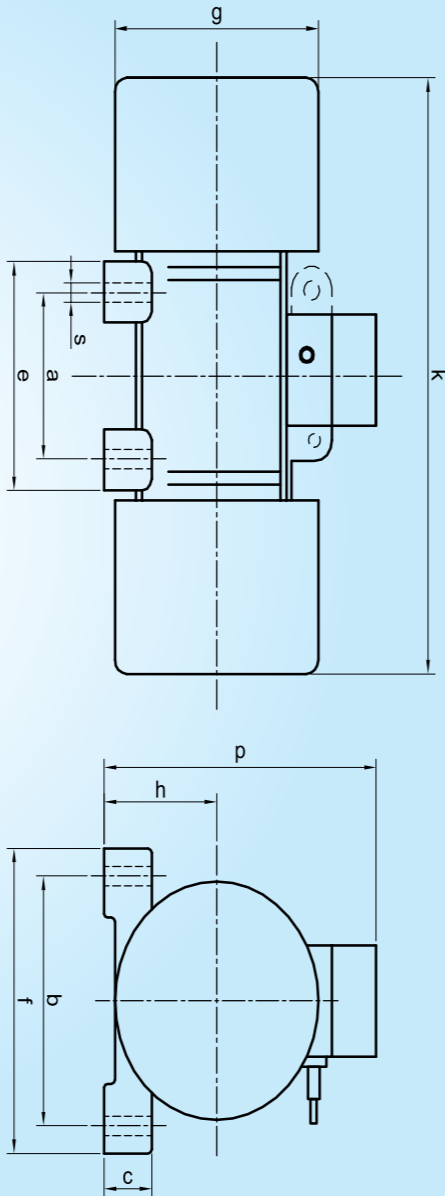
Unbalance Vibrator Motors



Manufacturer of :  
Cable Reeling Drums, Cable Drag Chain,  
Collector Column, Festoon Trolley,  
Vibrating Feeders and Screen & Spares

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**TECHNICAL DATA & DIMENSION OF UNBALANCE VIBRATOR MOTORS**

	MAXIMUM OPERATING TORQUE Kg.cm.	MAXIMUM CENTRIFUGAL FORCE N	SUITABLE FOR VIBRATORY EQUIPMENT WITHIN THE WEIGHT RANGE OF kg. to kg.	WEIGHT APPROX.	RATED OUTPUT (Consumption KW)	RATED CURRENT OF 50 HZ 415 V A	DIMENSION IN MM																
							a	b	c	e	f	g	h	k	p	s							
<b>2 POLE MOTOR WITH APPROXIMATELY 2880 RPM :</b>																							
MU 3Y	5.5	2840	60	180	16	0.23	0.4	115	135	25	135	162	96	80	307	195	11						
MU 6Y	12	6150	110	350	26	0.74	1.25	120	180	40	165	220	172	95	375	230	14						
MU 16Y	31	16050	300	950	56	1.4	2.00	125	230	60	175	280	218	115	495	270	18						
<b>4 POLE MOTOR WITH APPROXIMATELY 1440 RPM :</b>																							
MU 4X	33	4250	50	165	29	0.37	0.7	120	180	40	165	220	172	95	375	230	14						
MU 6X	50	6350	95	265	34	0.51	1.00	120	180	40	165	220	172	95	430	230	14						
MU 10X	75	9545	150	400	48	0.83	1.2	125	230	60	175	280	210	120	445	270	18						
MU 16X	125	16030	280	725	68	1.1	1.8	125	230	60	175	280	218	120	495	270	18						
<b>6 POLE MOTOR WITH APPROXIMATELY 960 RPM :</b>																							
MU 11W	205	11450	150	400	90	1.00	1.6	165	260	63	230	325	258	140	540	300	27						
MU 18W	310	17200	275	665	110	1.25	2.00	165	260	63	230	325	258	140	600	300	27						
MU 23W	415	22900	450	960	115	1.67	2.8	165	260	63	230	325	258	140	675	300	27						
MU 35W	631	34600	700	1440	200	2.3	5.5	280	290	63	345	355	345	160	730	340	27						

# UNBALANCE VIBRATOR MOTORS



## UNBALANCE VIBRATOR MOTORS

Vibrator motors are robust, highly stable under load, having cylindrical roller Bearings Vibration resistant, high quality resin impregnated windings. End Shield fitted with rubber O rings to give dust tight and water tight enclosure. Quite running and require no maintenance.

Robust terminal board, cable wire cast in vibration resistant synthetic resin. Reliable high torque starting, Absolutely secure fixing of our of balance weights only the inner weights are adjustable, with legible markings on the weights.

### Technical Data & Dimensions

Centrifugal force range	: from 40 to 35000 N.
Working moment	: from 1 to 631 kgcm.
Suitable for Vibrator units with useful weight range	: from 1 to 1440 kgs.
Power Supply	: 415 Volts, 3 phase, 50 hz.
Rated output	: 0.1 to 2.3 kw.
Ambient temperature	: up to 60° C.
Type of enclosure	: IP 55
Insulation Class	: 'F' Class

### Application

Vibrating Conveyors, Vibrating Screens, Conveyors Troughs and Tubes, Fields of Application: Coal, Lignite, Salt, Synthetic, Rubber, Fertilizers & Chemicals

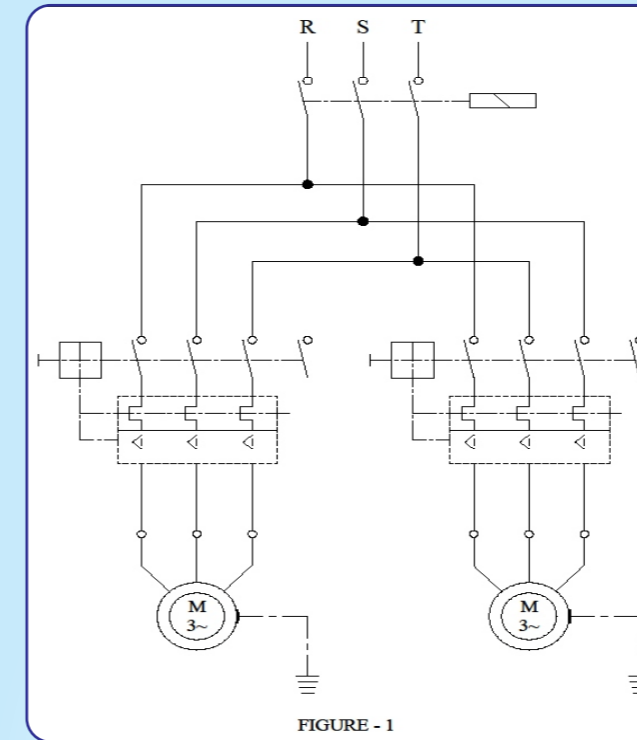


FIGURE - 1

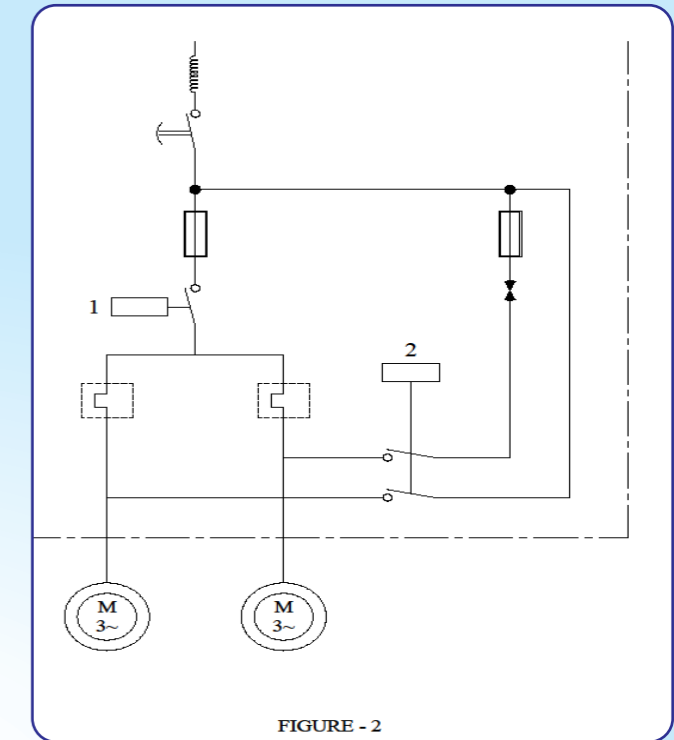


FIGURE - 2

## POWER SUPPLY AND CONNECTION DIAGRAM

Vibration motors are connected to a three-phase system with flexible copper conductor cable. Connection can be effected as per (fig. 1) in the simplest manner by means of a common contactor, which must be interlocked by means of auxiliary contacts. We strongly recommend use of a circuit breaker wherever two motors are used.

On the other hand, with the latter connection, considerable oscillation occur, on the disconnection of the equipments, due to the fact that resonant frequencies of the support springs will have a comparatively slow run trough, especially at a time when the trough is empty and the bulk material is absent. For this reason, a connection of the motors via a break unit, (Fig, 2) with which the motors can be brought to a standstill through d.c. breaking in a period of one to two seconds, is recommendable.

## APPLICATIONS

As a drive for	Vibrating conveyors, Conveyor troughs and tubes, Conveyor sections, Vibrating screens, Bar grid screens, Helical conveyors
As a Vibrator for	Silos, Bins, Deflection, grids, Filters, Filling plant, Chutes, Gravity pipes.