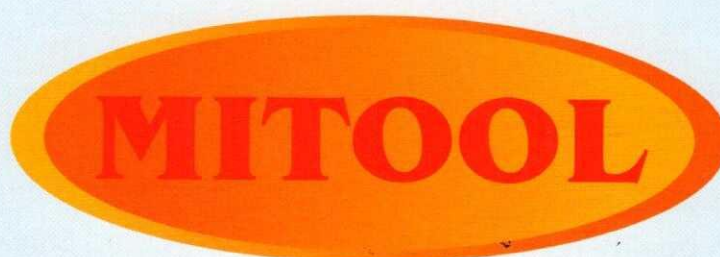


Unbalance Vibrator Motors



Equipments Pvt. Ltd.

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

OFFICE / FACTORY : Plot No. E-25, E-25/1, M.I.D.C. Industrial Area,
Additional Ambarnath, Anand Nagar, Ambarnath (E),
Dist. Thane, Maharashtra - 421506. India.

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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.

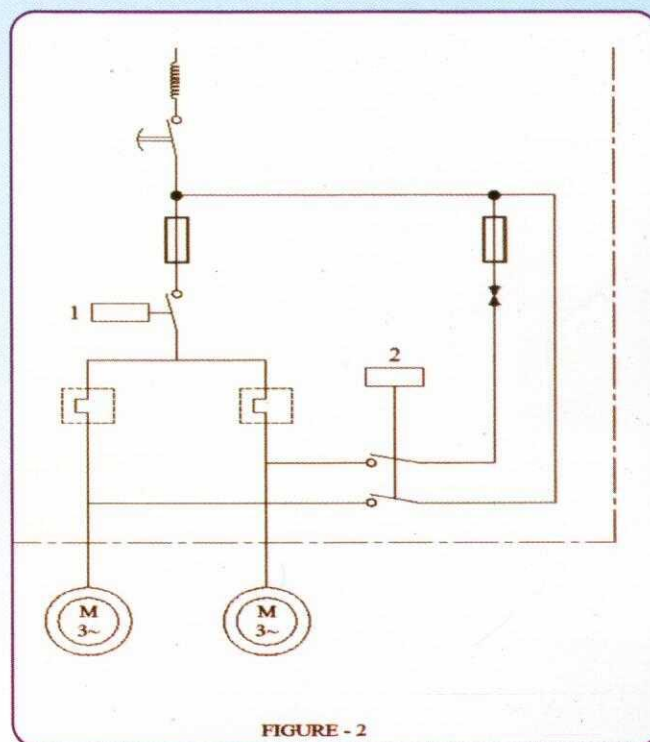
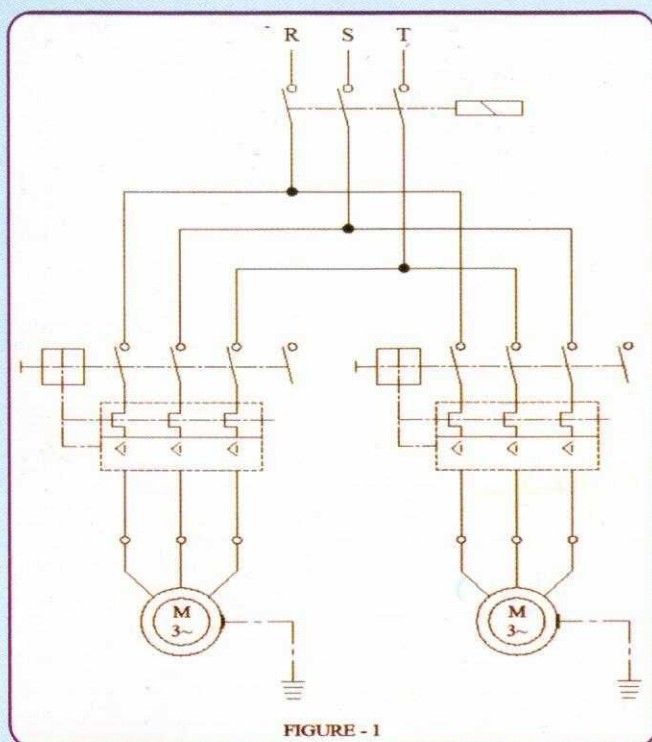
Robust terminal board, cable wire cast in vibration resistant synthetic resin. Reliable high torque starting, Absolutely secure fixing of our of balance weights only the inner weights are adjustable, with legible markings on the weights.

Technical Data & Dimensions

Centrifugal force range	:	from 1830 to 122850 N.
Working moment	:	from 3.7 to 2250 kgcm.
Suitable for Vibrator units with useful weight range	:	from 3.5 to 5500 kgs.
Power Supply	:	415 Volts, 3 phase, 50 hz.
Rated output	:	0.3 to 8.56 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



POWER SUPPLY AND CONNECTION DIAGRAM

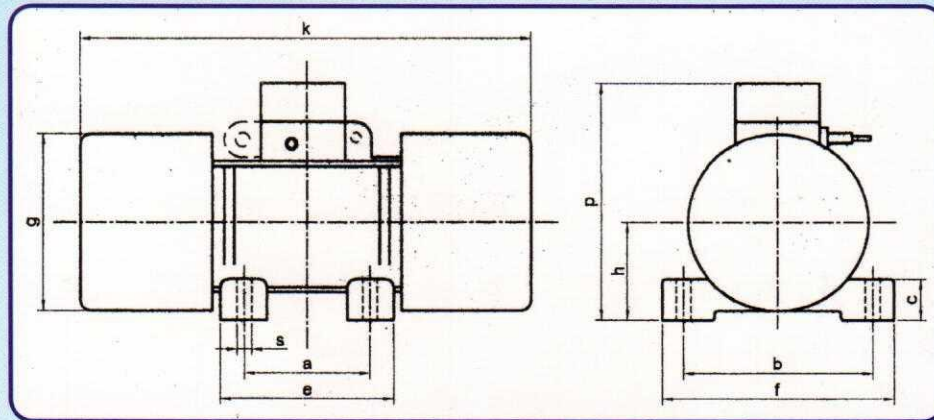
Vibration motors are connected to a three-phase system with flexible copper conductor cable. Connection can be effected as per (fig.1) in the simplest manner by means of a common contactor, which must be interlocked by means of auxiliary contacts. We strongly recommend use of a circuit breaker wherever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

TECHNICAL DATA & DIMENSIONS 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	a	b	c	e	f	g	h	k	p	s
2 POLE MOTOR WITH APPROXIMATELY 2880 RPM :																	
MU 2Y	3.7	1830	35	110	16	0.23	0.6	115	135	25	135	162	145	80	307	195	11
MU 3Y	5.5	2840	60	180	16	0.23	0.8	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 10Y	3.7	10230	195	615	47	1.00	1.4	125	230	58	175	260	194	115	444	266	18
MU 16Y	31	16050	300	950	56	1.4	2.00	125	230	60	175	280	218	115	495	270	18
MU 30Y	61	30000	530	1750	140	2.90	-	280	290	60	345	355	310	160	638	338	27
4 POLE MOTOR WITH APPROXIMATELY 1440 RPM :																	
MU 2.2X	17.8	2200	37	97	18	0.18	0.78	115	135	25	135	162	145	80	307	195	11
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
MU 22X	182	22450	480	1000	82	1.34	2.40	125	230	60	175	280	218	120	555	255	18
MU 25X	209	25780	495	1190	100	1.50	2.2	165	260	60	230	330	258	135	540	300	27
MU 37X	300	37090	700	1700	153	2.46	-	280	290	60	345	355	310	160	638	338	27
MU 63X	547	67600	1350	3170	283	5.13	-	350	400	70	420	470	348	185	740	400	33
6 POLE MOTOR WITH APPROXIMATELY 960 RPM :																	
MU 4W	77.5	4240	50	150	39	0.65	1.1	120	150	46	165	210	172	85	428	230	14
MU 10W	182	10000	160	375	73	1.00	-	125	230	58	175	260	172	115	494	266	18
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	27595	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 31W	557	30500	636	1300	180	1.71	3.30	165	260	56	230	330	258	140	625	300	27
MU 35W	631	34600	700	1440	200	2.3	5.5	280	290	63	345	355	345	160	730	340	27
MU 53W	959	52610	990	2130	305	2.74	6.20	350	400	70	420	470	348	185	810	400	33
MU 71W	1278	70160	1430	2950	350	3.87	8.60	350	400	70	420	470	348	185	890	400	33
MU 92W	1687	92137	1930	3900	600	8.56	-	500	500	90	590	590	410	250	910	500	39
MU 122W	2250	122850	2790	5470	640	8.56	-	500	500	90	590	590	410	250	990	500	39

NOTE : Due to constant development for better performance the design & dimensions are subject to alteration without prior notice