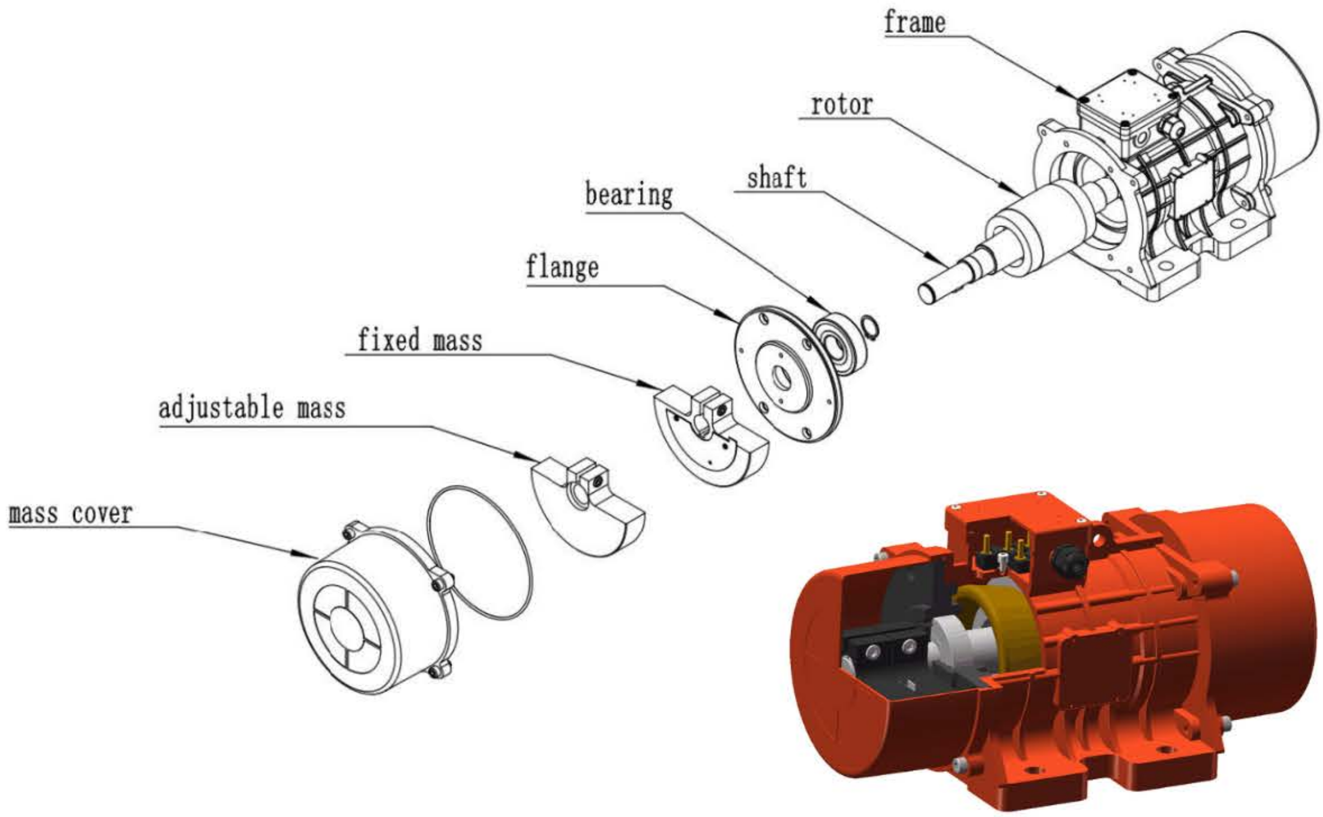
INDUSTRIAL VIBRATORS



Model		Voltage Class	Force	Speed	Power
			kN	RPM	kW
TMVE series	2-8 poles	Three phase 220V - 690V 50Hz / 60Hz	0.3 - 400	710 - 2930	0.03 - 30
	2-4 poles	Single phase 220V 50Hz	0.3 - 4	1450 - 2940	0.08 - 0.31
	Direct Current	12/24/36/48VDC	0.1 - 6.0	3000 - 7000	0.015 - 0.2
	Micro	Three phase 220V - 690V 50Hz / 60Hz	0.1 - 1.6	2940	0.015 - 0.07
TMVB series		Single phase 220V 50Hz			0.01 - 0.06
	Direct Current	12/24/36/48VDC		3000 - 7200	0.01 - 0.07
Explosion Proof series	2-6 poles	Three phase 220V - 460V 50Hz / 60Hz	2.5 - 180	950 - 2910	0.12 - 13
Side Panel	4 - 8 poles		15 - 180	735 - 1480	1.1 - 13
Long Pole	4 poles		20 - 60	1420 - 1450	1.1 - 3.6

Three Phase 2 Poles 3000/3600 RPM

Wm (kgcm)		Model		Centrifugal Force		Weight (kg)	Input Power (kW)		Nominal Current (A)		Terminal	Ia/In		Cable Gland	Temp. Class
50Hz	60Hz	50Hz	60Hz	kg	kN	50Hz/60Hz	50Hz	60Hz	50Hz (400v)	60Hz (460v)		50Hz	60Hz		
1.3	1	TMVE60/3-10	TMVE60/36-10	66	0.7	4.2	0.09	0.09	0.25	0.26	Y	3.2	3.2	M16	○
2	1.3	TMVE100/3-10	TMVE100/36-10	98	1	4.4	0.09	0.09	0.25	0.26	Y	3.2	3.2	M16	○
3.7	2.6	TMVE200/3-20	TMVE200/36-20	187	2	6.5	0.15	0.18	0.35	0.37	Y	3.5	3.5	M20	○
3.7	2.6	TMVE200/3-23	TMVE200/36-23	187	2	6.5	0.15	0.18	0.35	0.37	Y	3.5	3.5	M20	○
6.4	4.5	TMVE300/3-30	TMVE300/36-30	321	3	9.5	0.25	0.28	0.52	0.56	Y	3.8	3.7	M20	○
8	5.7	TMVE400/3-30	TMVE400/36-30	407	4	10.5	0.27	0.33	0.58	0.6	Y	3.7	3.7	M20	○
10.3	7.4	TMVE500/3-40	TMVE500/36-40	530	5	15	0.5	0.58	0.96	0.97	Y	4.2	4.4	M20	●
14.9	10.6	TMVE700/3-40	TMVE700/36-40	758	7	15.5	0.59	0.61	1.25	1.3	Y	4.5	5.2	M20	●
15.7	11.1	TMVE800/3-50	TMVE800/36-50	794	8	22.5	0.7	0.84	1.45	1.5	Y	4	4	M20	●
20.3	14	TMVE1200/3-50	TMVE1200/36-50	1005	10	24	0.95	1.15	1.85	1.95	Y	4.6	4.7	M20	●
26.6	18.6	TMVE1300/3-50	TMVE1300/36-50	1355	13	24	1.3	1.38	2.44	2.53	Y	5.4	5.2	M20	●
31.3	22.2	TMVE1600/3-60	TMVE1600/36-60	1601	16	60	1.54	1.6	2.94	3	Y	6.1	6.4	M25	●
36.8	27.6	TMVE2000/3-60	TMVE2000/36-60	2027	20	60	2.1	2.1	3.75	3.83	Y	6.7	6.6	M25	●
46	31.9	TMVE2300/3-60	TMVE2300/36-60	2302	23	61	2.4	2.45	4.44	4.51	Y	6.2	6.5	M25	●
68.1	43.9	TMVE3200/3-75	TMVE3200/36-75	3252	32	114.5	2.76	2.9	5.3	5.4	Y	8.5	8.4	M32	●
79.4	56	TMVE4000/3-75	TMVE4000/36-75	4033	40	115.5	2.9	2.9	5.3	5.4	Y	8.7	9.9	M32	●
103.2	69.8	TMVE5000/3-75	TMVE5000/36-75	5009	50	116	4	4	7.22	7.3	Y	8.7	10	M32	●
129.6	90.5	TMVE6500/3-85	TMVE6500/36-85	6510	65	239	5.23	5.5	9.43	9.5	Y	8.7	9	M32	●
179.6	129.6	TMVE9000/3-85	TMVE9000/36-85	9025	90	247.5	9.5	9.3	17.8	18	Y	8.6	8.8	M32	●
129.6	90.5	TMVE6500/3-86	TMVE6500/36-86	6510	65	228	5.5	6.3	9.5	9.5	Y	8.2	7.7	M32	●
179.6	129.6	TMVE9000/3-86	TMVE9000/36-86	9025	90	240	6.6	7.7	11.5	11.5	Y	8.2	8.2	M32	●

Model		A	B	ØG	C	M	D	E	F	H	I	L	N	Holes	Frame
50Hz	60Hz														
TMVE60/3-10	TMVE60/36-10	Multiple Footprint 63-76 33	 106 83-102	 10 10	213	45	130	135	12	50	96	107	85	8	10
TMVE100/3-10	TMVE100/36-10	Multiple Footprint 63-76 33	 106 83-102	 10 10	213	45	130	135	12	50	96	107	85	8	10
TMVE200/3-20	TMVE200/36-20	63-76	106	9	233	54	131	154	15	65	125	120	112	4	20
TMVE200/3-23	TMVE200/36-23	Multiple Footprint 63-76 65 115.5 134.5	 106 140 135 115	 10 14.5 11 11	217	50	165	140	25	82	116	160	110	16	23
TMVE300/3-30	TMVE300/36-30	Multiple Footprint 80 90 124 125	 110 125 110 115	 11 13 11 12	250	45	155	173	19	79	140	160	132	8	30
TMVE400/3-30	TMVE400/36-30	Multiple Footprint 80 90 124 125	 110 125 110 115	 11 13 11 12	276	58	155	173	19	79	140	160	132	8	30
TMVE500/3-40	TMVE500/36-40	105	140	13	334	78	168	196	22	92	169	178	158	4	40
TMVE700/3-40	TMVE700/36-40	105	140	13	334	78	168	196	22	92	169	178	158	4	40
TMVE800/3-50	TMVE800/36-50	120	170	17	321	58	208	210	22	96	185	205	170	4	50
TMVE1200/3-50	TMVE1200/36-50	120	170	17	321	58	208	210	22	96	185	205	170	4	50
TMVE1300/3-50	TMVE1300/36-50	120	170	17	321	58	208	210	22	96	185	205	170	4	50
TMVE1600/3-60	TMVE1600/36-60	140	190	17	416	80	229	260	30	124	240	256	222	4	60
TMVE2000/3-60	TMVE2000/36-60	140	190	17	416	80	229	260	30	124	240	256	222	4	60
TMVE2300/3-60	TMVE2300/36-60	140	190	17	416	80	229	260	30	124	240	256	222	4	60
TMVE3200/3-75	TMVE3200/36-75	155	255	25	518	105	302	314	35	147	285	308	265	4	75
TMVE4000/3-75	TMVE4000/36-75	155	255	25	518	105	302	314	35	147	285	308	265	4	75
TMVE5000/3-75	TMVE5000/36-75	155	255	25	518	105	302	314	35	147	285	308	265	4	75
TMVE6500/3-85	TMVE6500/36-85	200	320	28	611	122	387	402	40	203	394	367	378	4	85
TMVE9000/3-85	TMVE9000/36-85	200	320	28	611	122	387	402	40	203	394	367	378	4	85
TMVE6500/3-86	TMVE6500/36-86	200	320	28	611	122	387	402	40	203	394	367	378	4	86
TMVE9000/3-86	TMVE9000/36-86	200	320	28	611	122	387	402	40	203	394	367	378	4	86

Three Phase 4 Poles 1500/1800 RPM

Wm (kgcm)		Model		Centrifugal Force		Weight (kg)	Input Power (kW)		Nominal Current (A)		Terminal	Ia/In		Cable Gland	Temp. Class
50Hz	60Hz	50Hz	60Hz	kg	kN	50Hz/60Hz	50Hz	60Hz	50Hz (400v)	60Hz (460v)		50Hz	60Hz		
2	2	TMVE40/15-10	TMVE40/18-10	25	0.3	4.6	0.05	0.04	0.31	0.31	Y	2.2	2.2	M16	○
6	4.2	TMVE90/15-20	TMVE90/18-20	90	0.9	7	0.07	0.08	0.31	0.39	Y	2.2	2.2	M20	○
7.7	5.4	TMVE100/15-20	TMVE100/18-20	97	1	7	0.07	0.08	0.31	0.39	Y	2.2	2.2	M20	○
15.4	10.8	TMVE200/15-30	TMVE200/18-30	194	2	11.5	0.12	0.15	0.49	0.5	Y	2.2	2.2	M20	○
23.6	14.8	TMVE250/15-30	TMVE250/18-30	257	2.5	13	0.13	0.16	0.54	0.56	Y	2.2	2.2	M20	●
26.6	16.8	TMVE300/15-30	TMVE300/18-30	305	3	13.5	0.25	0.28	0.62	0.7	Y	2.2	2.2	M20	●
33.4	23.4	TMVE400/15-40	TMVE400/18-40	420	4	18.5	0.27	0.32	0.84	0.86	Y	2.7	2.7	M20	●
40.1	28.1	TMVE500/15-40	TMVE500/18-40	504	5	20	0.35	0.4	1.06	1.09	Y	3	2.9	M20	●
56.8	39.4	TMVE700/15-50	TMVE700/18-50	714	7	28.5	0.62	0.73	1.32	1.38	Y	3.2	3.4	M20	●
56.8	39.4	TMVE800/15-50	TMVE800/18-50	807	8	29.5	0.64	0.75	1.36	1.4	Y	3.3	3.38	M20	●
75.6	52.9	TMVE950/15-50	TMVE950/18-50	950	9	33	0.68	0.77	1.4	1.43	Y	4.2	4.2	M20	●
87.7	61.4	TMVE1100/15-50	TMVE1100/18-50	1102	11	35	0.68	0.77	1.4	1.43	Y	4	4	M20	●
108.6	76.7	TMVE1400/15-60	TMVE1400/18-60	1364	14	66.5	0.7	0.84	1.78	1.83	Y	4.2	4.2	M25	●
137.3	92	TMVE1700/15-60	TMVE1700/18-60	1725	17	70.5	1.13	1.3	2.16	2.26	Y	4.9	4.7	M25	●
187.7	137.4	TMVE2400/15-60	TMVE2400/18-60	2358	24	80	1.57	1.88	3.2	3.3	Y	5.1	5.1	M25	●
203.5	135.6	TMVE2500/15-70	TMVE2500/18-70	2557	25	97	1.76	2	3.08	3.15	Y	6.2	6.3	M25	●
248.7	169.8	TMVE3000/15-70	TMVE3000/18-70	3124	30	103	1.9	2.3	3.68	3.75	Y	6.7	6.8	M25	●
306.7	204.7	TMVE3800/15-75	TMVE3800/18-75	3853	38	133.5	2.2	2.6	4.15	4.2	Y	7	7	M25	●
343.2	240.7	TMVE4300/15-75	TMVE4300/18-75	4312	43	138.5	2.5	3	4.5	4.6	Y	7.2	7.4	M32	●
437.4	303.7	TMVE5500/15-80	TMVE5500/18-80	5495	55	184	2.88	3.45	6.5	6.6	Y	7.3	7.2	M32	●
576.8	397.3	TMVE7200/15-85	TMVE7200/18-85	7246	70	262	4	4.8	8.5	8.7	Y	7	7.1	M32	●
718	498.8	TMVE9000/15-85	TMVE9000/18-85	9020	90	268.6	7.35	8.5	13.4	13.6	Y	7.2	7.2	M32	●
580	406	TMVE7200/15-86	TMVE7200/18-86	7286	72	237	6	6.5	11	11.32	Δ	4.7	4.5	M32	●
725	507	TMVE9000/15-86	TMVE9000/18-86	9106	90	252	6	6.5	11	11.32	Δ	4.7	4.5	M32	●
800.1	588.3	TMVE10000/15-90	TMVE10000/18-90	10052	100	328	7	8.2	13	13.2	Δ	6.7	6.6	M32	●
939	655	TMVE11500/15-100	TMVE11500/18-100	11779	116	445	9	10	15.5	15.8	Δ	7	7	M32	●
1142	838	TMVE14500/15-100	TMVE14500/18-100	14352	141	460	11	13	18.5	18.9	Δ	8	8	M32	●

Model		A	B	ØG	C	M	D	E	F	H	I	L	N	Holes	Frame
50Hz	60Hz														
TMVE40/15-10	TMVE40/18-10	Multiple Footprint													
		63-76	106	10	213	45	130	135	12	50	96	107	85	8	10
		33	83-102	10	233	54	131	154	15	65	125	120	112	4	20
TMVE90/15-20	TMVE90/18-20	63-76	106	9	233	54	131	154	15	65	125	120	112	4	20
TMVE100/15-20	TMVE100/18-20	63-76	106	9	233	54	131	154	15	65	125	120	112	4	20
TMVE200/15-30	TMVE200/18-30	Multiple Footprint			276	58	155	173	19	79	140	160	132	8	30
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											
TMVE250/15-30	TMVE250/18-30	Multiple Footprint			300	70	155	173	19	79	140	160	132	8	30
		80	110	11											
		90	125	13											
TMVE300/15-30	TMVE300/18-30	124	110	11											
		135	115	12											
TMVE400/15-40	TMVE400/18-40	105	140	13	334	78	168	196	22	92	174	178	160	4	40
TMVE500/15-40	TMVE500/18-40	105	140	13	334	78	168	196	22	92	174	178	160	4	40
TMVE700/15-50	TMVE700/18-50	120	170	17	391	93	208	210	22	96	185	205	170	4	50
TMVE800/15-50	TMVE800/18-50	120	170	17	391	93	208	210	22	96	185	205	170	4	50
TMVE950/15-50	TMVE950/18-50	120	170	17	451	123	208	210	22	96	185	205	170	4	50
TMVE1100/15-50	TMVE1100/18-50	120	170	17	451	123	208	210	22	96	185	205	170	4	50
TMVE1400/15-60	TMVE1400/18-60	140	190	17	460	102	229	260	30	124	240	256	222	4	60
TMVE1700/15-60	TMVE1700/18-60	140	190	17	460	102	229	260	30	124	240	256	222	4	60
TMVE2400/15-60	TMVE2400/18-60	140	190	17	514	129	229	260	30	124	240	256	222	4	60
TMVE2500/15-70	TMVE2500/18-70	155	225	22	501	114	272	290	40	140	256	273	236	4	70
TMVE3000/15-70	TMVE3000/18-70	155	225	22	553	140	272	290	40	140	256	273	236	4	70
TMVE3800/15-75	TMVE3800/18-75	155	255	25	588	140	302	314	35	147	285	308	265	4	75
TMVE4300/15-75	TMVE4300/18-75	155	255	25	588	140	302	314	35	147	285	308	265	4	75
TMVE5500/15-80	TMVE5500/18-80	180	280	26	603	130	332	360	37	167	320	343	310	4	80
TMVE7200/15-85	TMVE7200/18-85	200	320	28	611	122	387	402	40	203	394	367	378	4	85
TMVE9000/15-85	TMVE9000/18-85	200	320	28	611	122	387	402	40	203	394	367	378	4	85
TMVE7200/15-86	TMVE7200/18-86	200	320	28	611	122	387	402	40	203	394	367	378	4	86
TMVE9000/15-86	TMVE9000/18-86	200	320	28	611	122	387	402	40	203	394	367	378	4	86
TMVE10000/15-90	TMVE10000/18-90	125	380	39	728	170	452	415	40	205	394	388	378	6	90
TMVE10000/15-91	TMVE10000/18-91	125	380	39	728	170	452	415	40	205	394	388	378	6	91
TMVE11500/15-100	TMVE11500/18-100	140	440	45	890	210	530	484	37	232	446	470	424	6	100
TMVE14500/15-100	TMVE14500/18-100	140	440	45	890	210	530	484	37	232	446	470	424	6	100

Temp Class : ○100℃ ●135℃
Terminal Connection : Y High Voltage , Δ Low Voltage

Three Phase 6 Poles 1000/1200 RPM

Wm (kgcm)		Model		Centrifugal Force		Weight (kg)	Input Power (kW)		Nominal Current (A)		Terminal	Ia/In		Cable Gland	Temp. Class
50Hz	60Hz	50Hz	60Hz	kg	kN	50Hz/60Hz	50Hz	60Hz	50Hz (400v)	60Hz (460v)		50Hz	60Hz		
18.8	13.2	TMVE100/1-30	TMVE100/12-30	105	1	13.5	0.12	0.14	0.3	0.4	Y	2.2	2.2	M20	○
33.5	23.4	TMVE200/1-40	TMVE200/12-40	187	2	19	0.15	0.18	0.65	0.68	Y	2.2	2.2	M20	○
56.9	39.9	TMVE300/1-50	TMVE300/12-50	318	3	30.5	0.25	0.3	0.67	0.7	Y	2.7	2.7	M20	●
81.7	54.5	TMVE400/1-50	TMVE400/12-50	408	4	32	0.37	0.4	0.93	0.97	Y	2.9	2.9	M20	●
91.9	64.3	TMVE500/1-50	TMVE500/12-50	513	5	36	0.55	0.4	1.22	1.32	Y	3	2.9	M20	●
137.4	108.6	TMVE800/1-60	TMVE800/12-60	767	8	72.5	0.75	0.8	1.42	1.52	Y	3.4	3.3	M25	●
187.7	137.6	TMVE1100/1-60	TMVE1100/12-60	1048	11	79	0.75	0.8	1.42	1.52	Y	3.4	3.3	M25	●
284.8	196.5	TMVE1400/1-60	TMVE1400/12-60	1387	14	90	0.9	1.08	1.95	1.98	Y	3.5	3.5	M25	●
284.8	196.5	TMVE1500/1-60	TMVE1500/12-60	1590	15	90	0.9	1.08	1.8	2	Y	3.5	3.5	M25	●
288	201	TMVE1600/1-60	TMVE1600/12-60	1601	16	92.5	0.9	1.08	2.2	2.3	Y	3.7	3.6	M25	●
299.6	203.5	TMVE1620/1-70	TMVE1620/12-70	1673	16	108	0.9	1.08	2.4	2.5	Y	3.9	3.8	M25	●
373.1	248.7	TMVE2100/1-70	TMVE2100/12-70	2083	21	118.5	1.5	1.8	3	3.2	Y	4.5	4.6	M25	●
467.4	306.7	TMVE2600/1-75	TMVE2600/12-75	2610	26	150	1.96	2.1	4.1	4.3	Y	5	5	M32	●
540.3	379.7	TMVE3000/1-75	TMVE3000/12-75	3017	30	156.5	2.2	2.4	4.5	4.63	Y	5.2	5.2	M32	●
702.5	465.6	TMVE3700/1-75	TMVE3700/12-75	3797	37	207	2.2	2.4	4.5	4.6	Y	5.2	5.2	M32	●
680.4	437.4	TMVE3800/1-80	TMVE3800/12-80	3799	38	207	2.5	3	5.5	5.6	Y	6.1	6.2	M32	●
838.3	584.2	TMVE4700/1-80	TMVE4700/12-80	4681	47	214.5	3.2	3.9	6.5	6.65	Y	5.7	5.9	M32	●
936.4	/	TMVE5200/1-80	TMVE5200/12-80	5228	52	290	3.2	/	6.5	/	Y	5.7	/	M32	●
929.9	654.6	TMVE5200/1-85	TMVE5200/12-85	5192	52	290	3.8	4	6.92	6.98	Δ	5.7	5.7	M32	●
1165	824	TMVE6500/1-85	TMVE6500/12-85	6506	65	296.5	4.3	5	7.76	7.86	Δ	6.4	6.2	M32	●
1436	929.8	TMVE8000/1-85	TMVE8000/12-85	8018	80	344.5	5.5	6	12.6	13	Δ	6.2	6.4	M32	●
1598	1165	TMVE9000/1-85	TMVE9000/12-85	9098	90	353	5.8	6.2	9	10	Δ	6	6.2	M32	●
1600	1165	TMVE8000/1-86	TMVE8000/12-86	8007	80	344.5	4.6	5.5	9	10	Δ	6.5	6.4	M32	●
1434	929.8	TMVE9000/1-86	TMVE9000/12-86	8936	90	353	6.2	7.45	13.2	13.38	Δ	6	6.2	M32	●
1788	1240	TMVE10000/1-90	TMVE10000/12-90	9986	100	410.5	6.1	6.4	14	14.5	Δ	6.6	6.6	M32	●
2330	1647	TMVE13000/1-90	TMVE13000/12-90	13009	130	445	7.5	8.3	16.4	17	Δ	6.4	6.5	M32	●
1803	1240	TMVE10000/1-91	TMVE10000/12-91	10067	100	353	6.4	7.7	13	13.56	Δ	6	6	M32	●
2057	1433	TMVE11400/1-91	TMVE11400/12-91	11485	114	404	6.4	7.7	13	13.56	Δ	6	6	M32	●
2311	1647	TMVE13000/1-91	TMVE13000/12-91	12904	130	411	8	8.9	17.2	17.89	Δ	5.6	6.3	M32	●
2253	1550	TMVE12000/1-100	TMVE12000/12-100	12580	120	522	8	9.5	15	15	Δ	5	5.5	M32	●
2634	1856	TMVE15000/1-105	TMVE15000/12-105	14706	150	672	10.1	12	18	18	Δ	5.8	5.8	M32	●
3220	2147	TMVE17500/1-105	TMVE17500/12-105	17980	176	744	11.9	14.2	21	21	Δ	5.6	5.9	M32	●
3632	2525	TMVE19500/1-105	TMVE19500/12-105	20285	199	768	12	14.5	24	24	Δ	5.4	5.6	M32	●
4067	2622	TMVE22000/1-110	TMVE22000/12-110	22711	223	916	13.9	17	28	28	Δ	4.8	5.3	M32	●
4572	3163	TMVE25000/1-110	TMVE25000/12-110	25532	250	994	13.9	17	28	28	Δ	4.8	5.3	M32	●

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<tr><th>50Hz</th><th>60Hz</th></tr>
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<tr><td>80</td><td>110</td><td>11</td></tr>
<tr><td>90</td><td>125</td><td>13</td></tr>
<tr><td>124</td><td>110</td><td>11</td></tr>
<tr><td>135</td><td>115</td><td>12</td></tr>
<tr><td rowspan="5">TMVE100/1-30</td><td rowspan="5">TMVE100/12-30</td><td colspan="3">Multiple Footprint</td><td rowspan="5">300</td><td rowspan="5">70</td><td rowspan="5">155</td><td rowspan="5">173</td><td rowspan="5">19</td><td rowspan="5">79</td><td rowspan="5">140</td><td rowspan="5">160</td><td rowspan="5">132</td><td rowspan="5">8</td><td rowspan="5">30</td></tr>
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<tr><td>124</td><td>110</td><td>11</td></tr>
<tr><td>135</td><td>115</td><td>12</td></tr>
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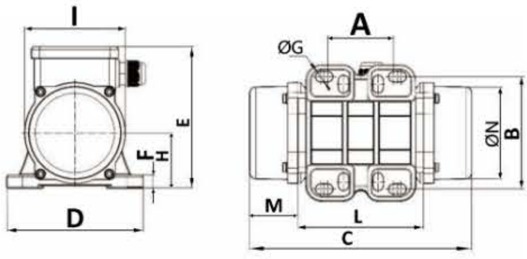
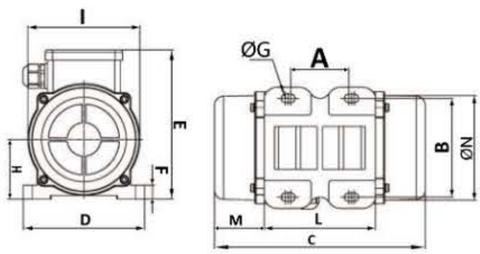


Frame 10



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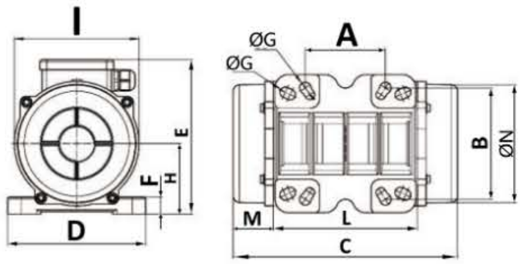

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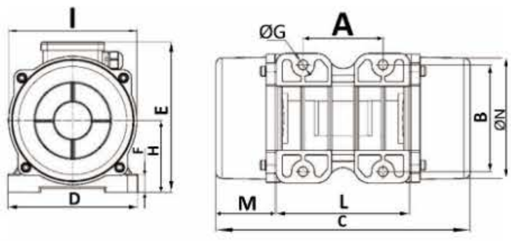

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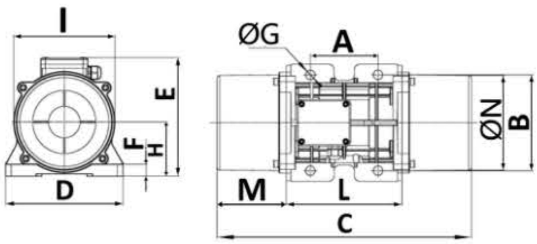

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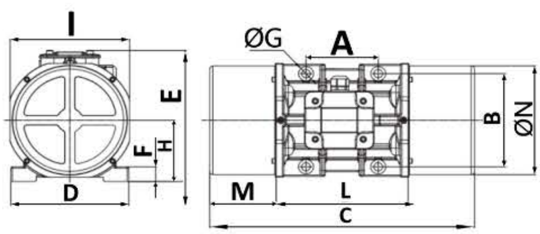
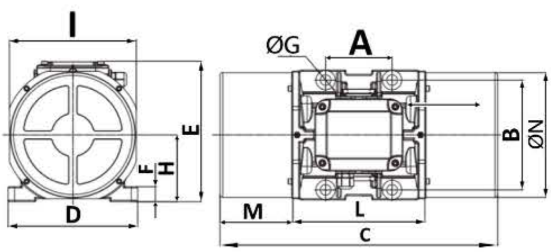
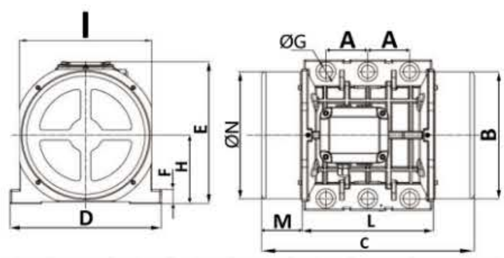


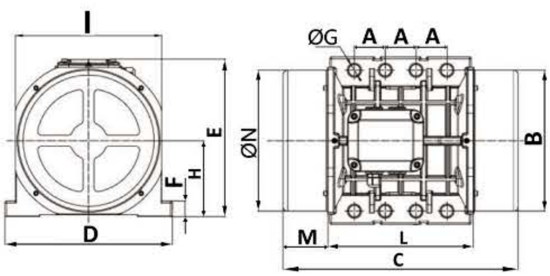
Frame 60/70



Frame 75/80/85



Frame 90/100



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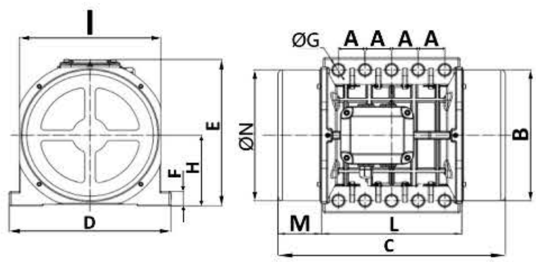


Frame 130

Mounting

The base plate surface where the vibrator motor is mounted, has an allowable tolerance of 0.08mm, so that the surface rests uniformly against each other to avoid internal tension, that may cause breakage of the foot of the vibrator motor.

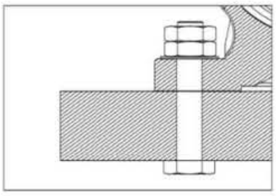
Uses 8.8 type bolts, 8.0 type nuts and flat washers that belongs to category A EN ISO7089/7092.

The graph below show the correct torque settings for the different bolt size used on the motor vibrator.

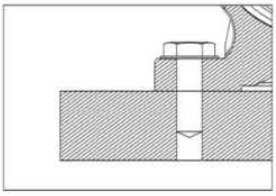
Motor Machine Interface

Screw		Washer		Clamping Torque	
Metric	**Imperial**	**Metric**	**Imperial**	**Nm**	**ft lb**
M6	1/4″	6.4×12	1/4″	6.5	9
M8	5/16″	8.4×16	5/16″	23	16.5
M10	3/8″	10.5×20	3/8″	45	33
M12	1/2″	13×24	1/2″	80	58
M16	5/8″	17×30	5/8″	185	137
M20	13/16″	21×37	13/16″	373	275
M22	7/8″	23×29	7/8″	550	411
M24	15/16″	25×44	15/16″	696	513
M27	1″	28×50	1″	873	645
M36	1-3/8″	37×66	1-3/8″	1,864	1,370

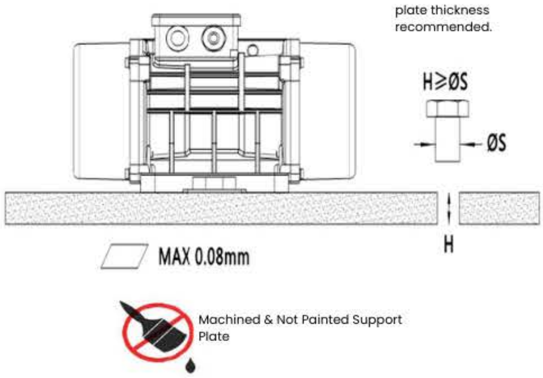
Fixing



Smooth through hole
+
screw
+
flat washer
+
nur and counternut



Tapped threaded hole
+
screw
+
flat washer

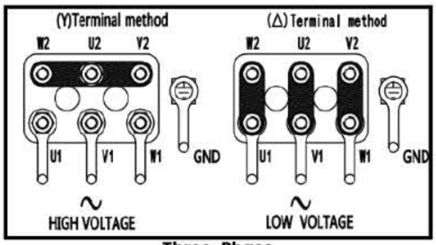


Electrical Connection

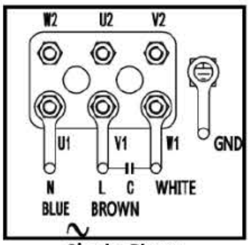
Make sure the voltage and frequency supply match the ones indicated on the rating plate of the electric vibrator. Insert the power cable through the cable gland. Use only conductors that have a suitable cross-section. Tighten them with the specified torque.

Do not forget to fix the earthing cable to the provided studs compulsory connection. Before closing the junction box make sure the cover gasket is properly fitted in order to keep the specified IP protection.

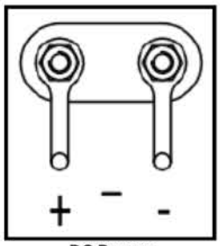
Junction Box Tightening Torque		
Screw	**Nm**	**ft lb**
M4	2,5	1,84
M5	4	2,95
M6	5	3,69
M8	6	4,43
M10	8	5,90



Three-Phase

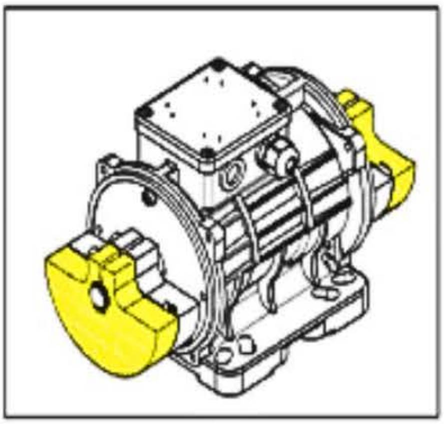


Single-Phase

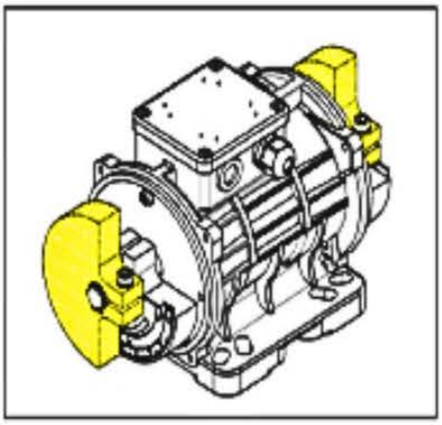


DC Power

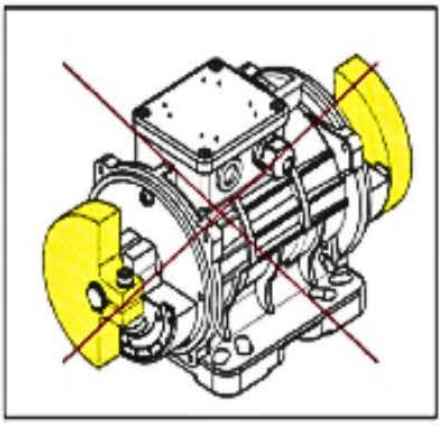
Adjustable Masses-Type A



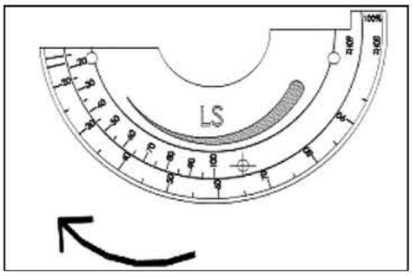
Masses at 100%



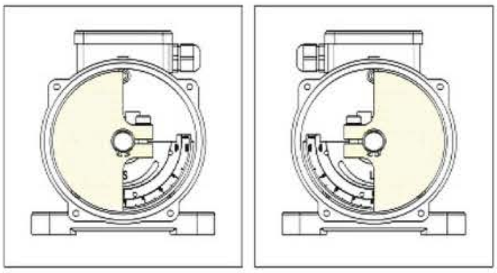
Adjusted



Wrong Adjustment

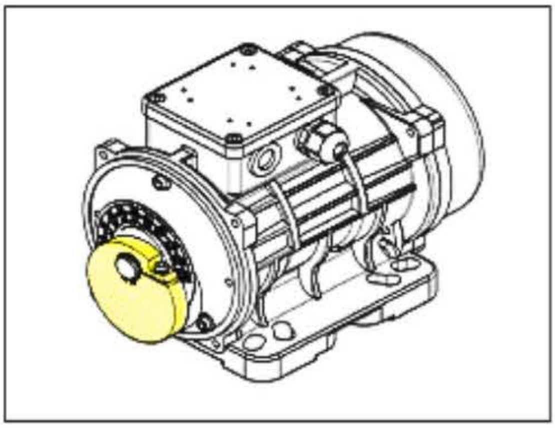


According to the mass adjust the required exciting force always in clockwise direction

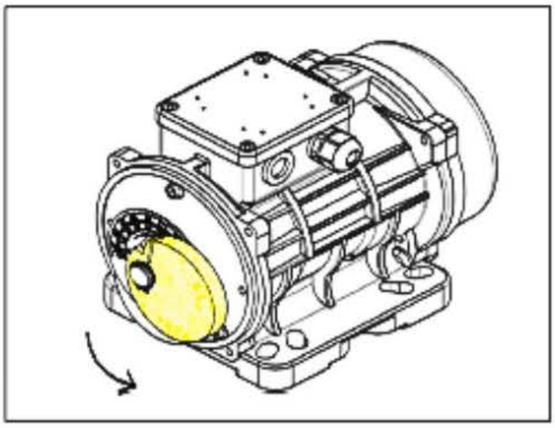


Rotate the masses in the opposite direction to the cable gland

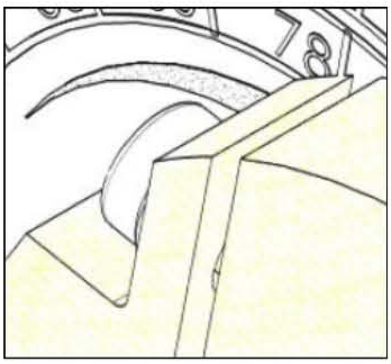
Adjustable Masses-Type B



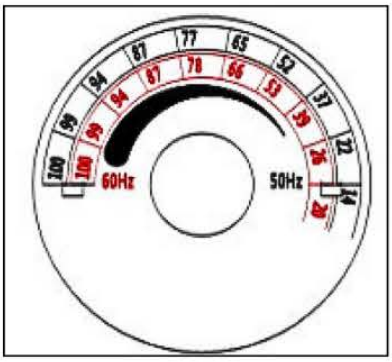
Masses at 100%



Adjusted

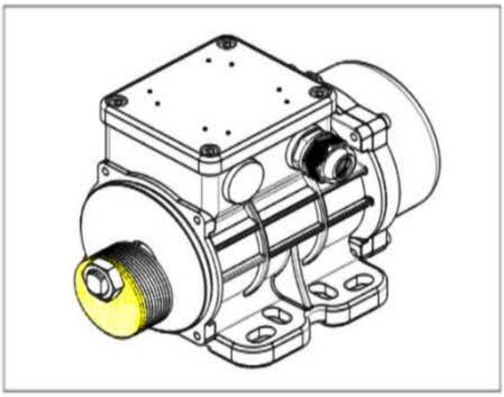


The fissure in the mass indicates the degree of adjustment

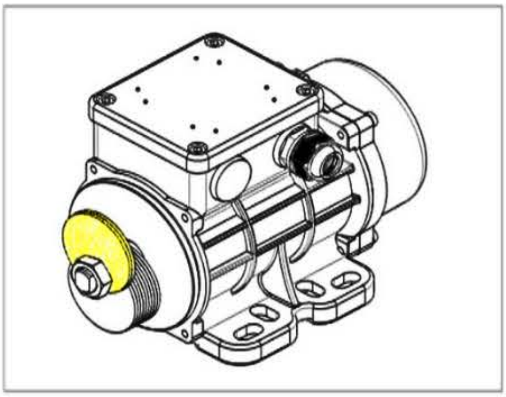


Rotate the mass following the design on the plate：from the thicker tip towards the thin tip.

Adjustable Masses-Type C (Blade Masses)



Masses at 100%



Adjusted

Number of Blades	5+5	8+8	9+9	12+12	13+13
Force Reduced per blade	40	25	22.2	16.7	15.4

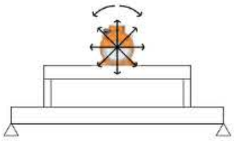
⚠ Warning: DO NOT Grease new motors before installation ⚠

Motors with roller bearings already come from the factory filled with the right quantity of Grease.

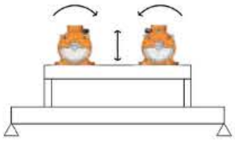
Step 1

Choose rpm and the amplitude “e” (0 - peak) suitable for your application:

Circular Vibration



Linear Vibration



Application Process	Vibration		Revolution per Minute					
			50Hz	750	1000	1500	3000	6000
	Circular	Linear	60Hz	900	1200	1800	3600	-
Conveying		✓			✓	✓		
separation / Screening / Sizing		✓		✓	✓	✓		
Positioning / Feeding		✓		✓	✓	✓		
Filter Cleaning	✓						✓	
Silo / Hopper Emptying	✓						✓	
Fluid Beds		✓		✓	✓			
Bin Activators	✓					✓	✓	
Compacting		✓					✓	✓
Concrete Consolidation	✓						✓	✓

rpm	e (mm)	
	Min.	Max.
3600	0.3	0.6
3000	0.3	0.8
1800	1.2	2.2
1500	1.4	2.6
1200	2.5	4.0
1000	3.0	5.2
900	3.5	5.5
750	3.5	6.0

Step 2

$$e = 5 \times \frac{n \times Wm}{n \times M_{mot} + M_{vm}}$$

e = Amplitude of vibration 0 - peak (mm)
n = Number of vibrator
Wm = Working moment (kgcm)
M_{mot} = Vibrator weight (kg)
M_{vm} = Vibrating machine weight (without material and vibrators)

Step 3

Check the obtained value “e”:

- If it is similar to the required one (step 1) → the MVE model is correct.
- If it is not similar to the required one (step 1) → repeat the process (step 2) with a different MVE model.

019/2024