

AllianceMotori

Electric Vibrator Motor



MVI SERIES

■ Vibration Motor

Product Introduction

MVI Series vibration motor is a set of adjustable masses installed at both ends of the rotor shaft, using the centrifugal force generated by high-speed rotation of the and masses to get the exciting fore. It is an ideal power source and excitation source for vibrating conveyor, vibrating feeder, vibrating drying equipment, vibrating screen equipment, vibrating shaker, vibrating table, silos and other vibrating mechanical equipment.



■ Product Introduction

Strong Power, Stable Output

Class H copper wire winding stator.

High Level of Protection

Pure copper wire winding through vacuum impregnation device to achieve class F insulation.

Meet various voltage requirements of different countries

MVI Series vibration is widely used in construction equipment, sand separator, conveyor belt, vibrating screen, hopper clearance, etc.

Exciting Force adjustable, convenient in use

Adjusting the angle of the masses can adjust the exciting force to meet various needs.

Waterproof and Dustproof

The fully sealed aluminum alloy casting is made of die-casting through multi-process quenching, sealed with quality rubber makes a good waterproof and dustproof performance.

Environmental friendly and durable for use

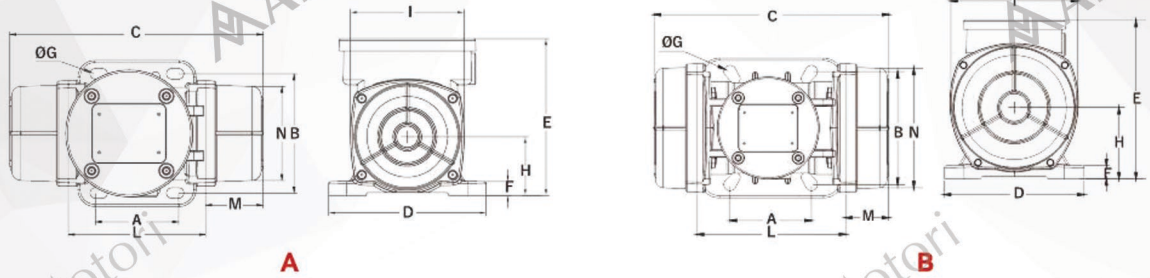
Powder painting makes the surface coating stronger and more environmental friendly and durable for use.

■ Application Field

MVI Series vibration is widely used in construction equipment, sand separator, conveyor belt, vibrating screen, hopper clearance, etc.



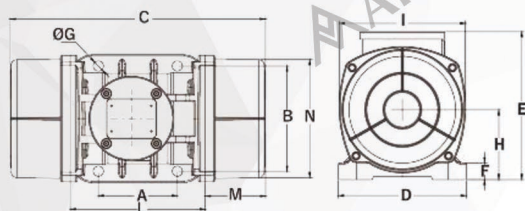
Three Phase (220V/380V) 2 Poles 3000/3600RPM 50/60Hz



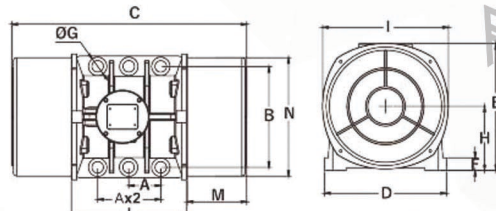
Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Force(KN)	Weight (KG)	Size
MVI 40/3	220/380	0.13	0.05	0.3	2.4	size1
MVI 60/3	220/380	0.16	0.08	0.7	4.6	size10
MVI 100/3	220/380	0.19	0.1	1	4.7	size10
MVI 200/3	220/380	0.35	0.18	2	6.3	size20
MVI 300/3	220/380	0.52	0.27	3	9.9	size30
MVI 400/3	220/380	0.58	0.3	4	10.2	size30
MVI 500/3	220/380	0.96	0.5	5	16.7	size40
MVI 700/3	220/380	1.25	0.66	7	17.2	size40
MVI 800/3	220/380	1.45	0.75	8	21.8	size50
MVI 1200/3	220/380	1.85	0.95	10	22.4	size50
MVI 1300/3	220/380	2.44	1.3	13	23.0	size50
MVI 1600/3	220/380	2.94	1.5	16	53.5	size60
MVI 1800/3	220/380	3.75	1.8	18	54.5	size60
MVI 2000/3	220/380	4.07	2	20	55	size60
MVI 2200/3	220/380	4.07	2	22	55.5	size60
MVI 2300/3	220/380	4.44	2.4	23	57	size60
MVI 3200/3	220/380	5.3	2.9	32	103	size75
MVI 4000/3	220/380	5.3	2.9	40	107	size75
MVI 5000/3	220/380	7.22	4	50	111.2	size75
MVI 6500/3	380/660	9.4	5.5	65	230	size85
MVI 9000/3	380/660	17.8	10	90	241	size85
MVI 12000/3	380/660	19	12.5	120	280	size90
MVI 15000/3	380/660	27.5	18.8	150	340	size90

*Special voltage and frequency can be customized

Three Phase (220V/380V) 2 Poles 3000/3600RPM 50/60Hz



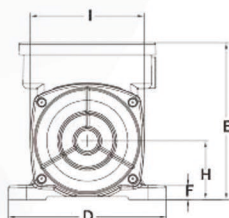
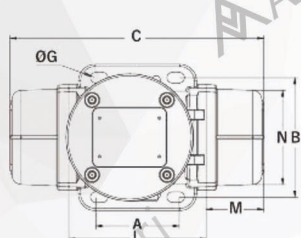
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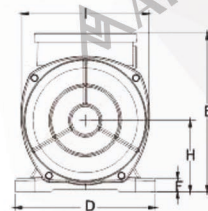
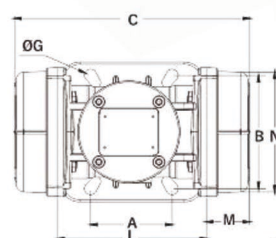
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Model	A	B	ØG	C	D	E	F	H	I	L	M	N	Cable gland	Fig
MVI 40/3	18.5-34 62.5	91 78.5-91	9	175	110	96	12	37.5	68	103	36	65.5	M16X1.5	I
MVI 60/3	62-74	106	9	215	130	131	11	47	94	121	47	88	M16×1.5	A
MVI 100/3	62-74	106	9	225	130	131	11	47	94	121	52	88	M16×1.5	A
MVI 200/3	62-74	106	9	233	130	155	13	64	119	123	55	111	M20×1.5	A
MVI 300/3	90	125	13	257	155	175	14	78	142	163	47	134	M20×1.5	B
MVI 400/3	90	125	13	257	155	175	14	78	142	163	47	134	M20×1.5	B
MVI 500/3	105	140	13	338	170	197	22	92.5	168	178	80	159	M20×1.5	C
MVI 700/3	105	140	13	338	170	197	22	92.5	168	178	80	159	M20×1.5	C
MVI 800/3	120	170	17	325	208	210	24	95	180	205	60	170	M20×1.5	C
MVI 1200/3	120	170	17	325	208	210	24	95	180	205	60	170	M20×1.5	C
MVI 1300/3	120	170	17	325	208	210	24	95	180	205	60	170	M20×1.5	C
MVI 1600/3	140	190	17	416.5	230	262	30	122	237	224.5	96	222	M25×1.5	C
MVI 1800/3	140	190	17	416.5	230	262	30	122	237	224.5	96	222	M25×1.5	C
MVI 2000/3	140	190	17	416.5	230	262	30	122	237	224.5	96	222	M25×1.5	C
MVI 2200/3	140	190	17	416.5	230	262	30	122	237	224.5	96	222	M25×1.5	C
MVI 2300/3	140	190	17	416.5	230	262	30	122	237	224.5	96	222	M25×1.5	C
MVI 3200/3	155	255	25	526.5	308	318	34	148.5	281	278.5	124	264	M32×1.5	C
MVI 4000/3	155	255	25	526.5	308	318	34	148.5	281	278.5	124	264	M32×1.5	C
MVI 5000/3	155	255	25	526.5	308	318	34	148.5	281	278.5	124	264	M32×1.5	C
MVI 6500/3	200	320	28	639.5	388	402	42	206	400	369.5	130	378	M32×1.5	C
MVI 9000/3	200	320	28	639.5	388	402	42	206	400	369.5	130	378	M32×1.5	C
MVI 12000/3	125	380	39	665.5	446	415	42	206	400	405.5	130	378	M32×1.5	D
MVI 15000/3	125	380	39	665.5	446	415	42	206	400	405.5	130	378	M32×1.5	D

■ Three Phase (220V/380V) 4 Poles 1500/1800RPM 50/60Hz



A

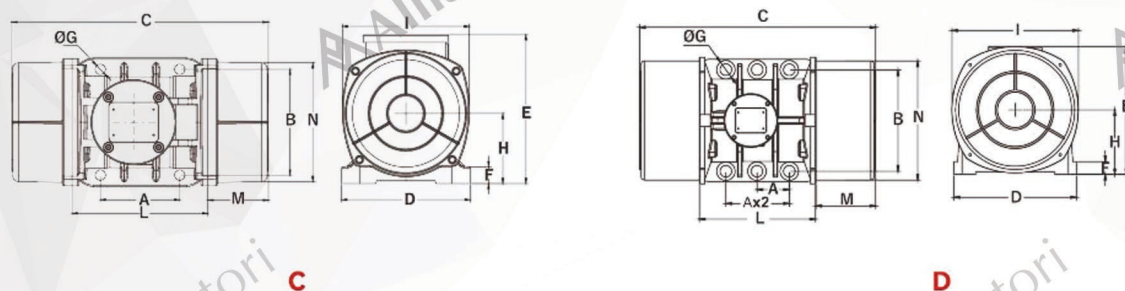


B

Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Force(KN)	Weight (KG)	Size
MVI 40/15	220/380	0.26	0.04	0.3	4.6	size10
MVI 90/15	220/380	0.31	0.12	0.9	6.8	size20
MVI 200/15	220/380	0.49	0.16	2	12.8	size30
MVI 250/15	220/380	0.54	0.18	2.5	12.9	size30
MVI 300/15	220/380	0.62	0.20	3	13.8	size30
MVI 400/15	220/380	0.84	0.30	4	19.6	size40
MVI 500/15	220/380	1.06	0.35	5	21.0	size40
MVI 700/15	220/380	1.32	0.62	7	28.2	size50
MVI 800/15	220/380	1.36	0.65	8	29.1	size50
MVI 1100/15	220/380	1.4	0.65	11	36.5	size50
MVI 1400/15	220/380	1.78	0.90	14	60.5	size60
MVI 1700/15	220/380	2.09	1.15	17	62.5	size60
MVI 2400/15	220/380	3.2	1.6	24	68.0	size60
MVI 2500/15	220/380	3.4	1.8	25	97.5	size70
MVI 3000/15	220/380	3.68	1.9	30	110.0	size70
MVI 3800/15	220/380	4.15	2.2	38	130.0	size75
MVI 4300/15	220/380	4.5	2.5	43	145.0	size75
MVI 5500/15	220/380	6.5	3.6	55	193	size80
MVI 7200/15	380/660	8.5	5	72	253	size85
MVI 9000/15	380/660	13.4	7.5	90	269	size85
MVI 10000/15	380/660	14.4	7.8	100	329	size90
MVI 11500/15	380/660	15.5	9	116	445	size100
MVI 14500/15	380/660	18.5	11.5	141	460	size100

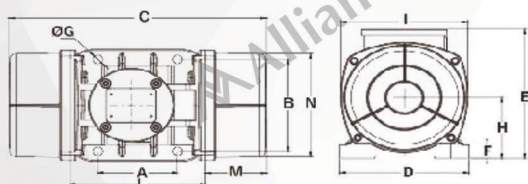
*Special voltage and frequency can be customized

Three Phase (220V/380V) 4 Poles 1500/1800RPM 50/60Hz

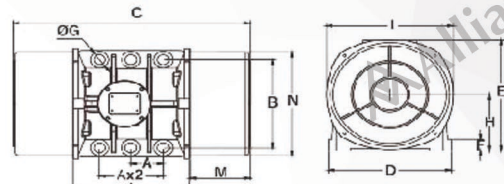


Model	A	B	ØG	C	D	E	F	H	I	L	M	N	Cable gland	Fig
MVI 40/15	62-74	106	9	225	130	131	11	47	94	121	52	88	M16X1.5	A
MVI 90/15	62-74	106	9	233	130	155	13	63.5	119	123	55	111	M20×1.5	A
MVI 200/15	90	125	13	307	155	175	14	78	142	163	72	134	M20×1.5	B
MVI 250/15	90	125	13	307	155	175	14	78	142	163	72	134	M20×1.5	B
MVI 300/15	90	125	13	307	155	175	14	78	142	163	72	134	M20×1.5	B
MVI 400/15	105	140	13	338	170	197	22	92.5	168	178	80	159	M20×1.5	C
MVI 500/15	105	140	13	338	170	197	22	92.5	168	178	80	159	M20×1.5	C
MVI 700/15	120	170	17	395	208	210	24	95	180	205	95	170	M20×1.5	C
MVI 800/15	120	170	17	395	208	210	24	95	180	205	95	170	M20×1.5	C
MVI 1100/15	120	170	17	457	208	210	24	95	180	205	126	170	M20×1.5	C
MVI 1400/15	140	190	17	444.5	230	262	30	122	237	224.5	110	222	M25×1.5	C
MVI 1700/15	140	190	17	464	230	262	30	122	237	224	120	222	M25×1.5	C
MVI 2400/15	140	190	17	514	230	262	30	122	237	224	145	222	M25×1.5	C
MVI 2500/15	155	225	25	558.5	308	318	34	141	280	278.5	140	264	M32×1.5	C
MVI 3000/15	155	225	25	558.5	308	318	34	148.5	281	278.5	140	264	M32×1.5	C
MVI 3800/15	155	255	25	588.5	308	318	34	150.5	281	278.5	155	264	M32×1.5	C
MVI 4300/15	155	255	25	602.5	308	318	34	150.5	281	278.5	162	264	M32×1.5	C
MVI 5500/15	180	280	26	621.5	335	353	35	170	330	321	150	311	M32×1.5	C
MVI 7200/15	200	320	28	629.5	388	402	42	206	400	369	130	378	M32×1.5	C
MVI 9000/15	200	320	28	639	388	402	42	206	400	369	130	378	M32×1.5	C
MVI 10000/15	125	380	39	747	446	415	42	206	400	405	170	378	M32×1.5	D
MVI 11500/15	140	440	45	906	530	484	37	232	445	486	210	424	M32×1.5	E
MVI 14500/15	140	440	45	906	530	484	37	232	445	486	210	424	M32×1.5	E

Three Phase (220V/380V) 6 Poles 1000/1200RPM 50/60Hz



C

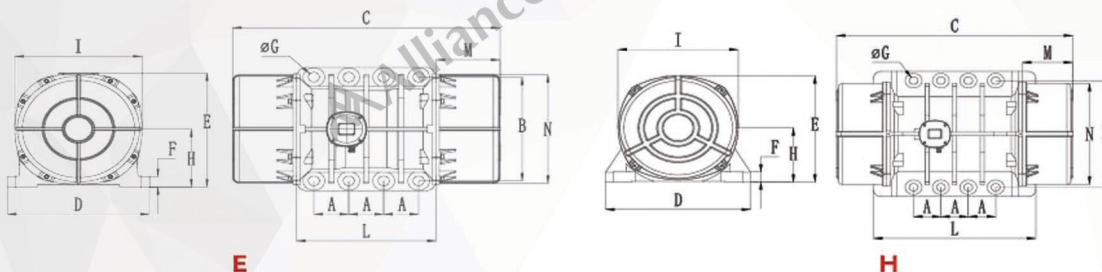


D

Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Force(K N)	Weight (KG)	Size
MVI 50/1	220/380	0.38	0.12	0.5	13.1	size30
MVI 100/1	220/380	0.42	0.12	1	13.8	size30
MVI 200/1	220/380	0.48	0.18	1.8	21	size40
MVI 300/1	220/380	0.67	0.35	3	29.1	size50
MVI 400/1	220/380	0.78	0.37	4	33.3	size50
MVI 500/1	220/380	1.2	0.55	5	36.5	size50
MVI 800/1	220/380	1.26	0.75	7.8	62.5	size60
MVI 1100/1	220/380	1.42	0.75	11	80	size60
MVI 1400/1	220/380	1.95	1	14	82	size60
MVI 1500/1	220/380	2	1	15	84	size60
MVI 1600/1	220/380	2.06	1.1	16	86	size60
MVI 1620/1	220/380	2.06	1.1	16	127	size70
MVI 2100/1	220/380	2.88	1.5	21	129	size70
MVI 2600/1	220/380	3.63	1.96	26	143	size75
MVI 3000/1	220/380	4.17	2.2	30	152	size75
MVI 3800/1	220/380	5.5	2.5	38	216	size80
MVI 4700/1	220/380	6.5	3.2	47	231	size80
MVI 5200/1	220/380	6.92	3.8	52	280	size85
MVI 6500/1	220/380	7.6	4.3	65	305	size85
MVI 8000/1	380/660	12.6	7.1	80	325	size85
MVI 9000/1	380/660	13.2	7.5	90	338	size85
MVI 10000/1	380/660	14	7.6	100	386	size90
MVI 13001/1	380/660	16.4	10	130	422	size90
MVI 15000/1	380/660	18	11	144	672	size105
MVI 17500/1	380/660	21	12	176	744	size105
MVI 19500/1	380/660	24	12	199	768	size105
MVI 22000/1	380/660	28	13.95	223	916	size110
MVI 25000/1	380/660	28	13.95	250	994	size110
MVI 30000/1	380/660	52.96	22	300	1290	size120

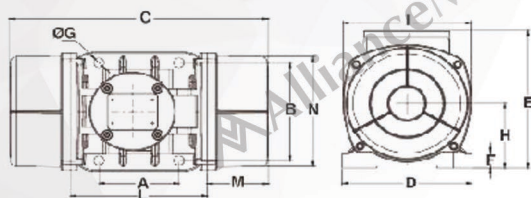
* Special voltage and frequency can be customized

Three Phase (220V/380V) 6 Poles 1000/1200RPM 50/60Hz

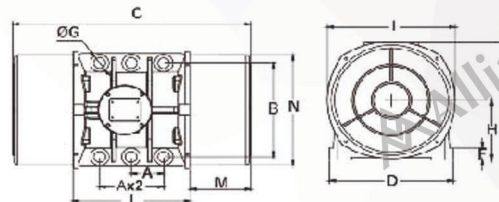


Model	A	B	ØG	C	D	E	F	H	I	L	M	N	Cable gland	Fig
MVI50/1	90	125	13	307	155	175	14	78	142	163	72	134	M20X1.5	B
MVI100/1	90	125	13	307	155	175	14	78	142	163	72	134	M20×1.5	B
MVI200/1	105	140	13	338	170	197	22	95	168	178	80	159	M20×1.5	C
MVI300/1	120	170	17	396	208	210	24	95	180	205	95	170	M20×1.5	C
MVI400/1	120	170	17	458	208	210	24	95	180	205	126	170	M20×1.5	C
MVI500/1	120	170	17	458	208	210	24	95	180	205	126	170	M20×1.5	C
MVI800/1	140	190	17	464.5	230	262	30	122	237	224.5	120	222	M25×1.5	C
MVI1100/1	140	190	17	514.5	230	262	30	122	237	224.5	145	222	M25×1.5	C
MVI1400/1	140	190	17	564.5	230	262	30	122	237	224.5	170	222	M25×1.5	C
MVI1500/1	140	190	17	564.5	230	262	30	122	237	224.5	170	222	M25×1.5	C
MVI1600/1	140	190	17	564.5	230	262	30	122	237	224.5	170	222	M25×1.5	C
MVI1620/1	155	225	25	558.5	308	318	34	148.5	281	278.5	140	264	M32×1.5	C
MVI2100/1	155	225	25	602.5	308	318	34	148.5	281	278.5	162	264	M32×1.5	C
MVI2600/1	155	255	25	698.5	308	318	34	148.5	281	278.5	210	264	M32×1.5	C
MVI3000/1	155	255	25	698.5	308	318	34	148.5	281	278.5	210	264	M32×1.5	C
MVI3800/1	180	280	26	687.5	336	353	35	170	335	321.5	183	311	M32×1.5	C
MVI4700/1	180	280	26	737.5	336	353	35	170	335	321.5	208	311	M32×1.5	C
MVI5200/1	200	320	28	709.5	388	402	42	203	400	369.5	170	378	M32×1.5	C
MVI6500/1	200	320	28	709.5	388	402	42	203	400	369.5	170	378	M32×1.5	C
MVI8000/1	200	320	28	779.5	388	402	42	203	400	369.5	205	378	M32×1.5	C
MVI9000/1	200	320	28	779.5	388	402	42	203	400	369.5	205	378	M32×1.5	C
MVI10000/1	125	380	39	925.5	446	415	42	206	400	405.5	260	378	M32×1.5	D
MVI13001/1	125	380	39	965.5	446	415	42	206	400	405.5	280	378	M32×1.5	D
MVI15000/1	140	480	45	1075	570	540	48	268	510	563	256	490	M32×1.5	E
MVI17500/1	140	480	45	1075	570	540	48	268	510	563	256	490	M32×1.5	E
MVI19500/1	140	480	45	1075	570	540	48	268	510	563	256	490	M32×1.5	E
MVI22000/1	140	520	45	1130	620	590	42	297	560	560	285	530	M32×1.5	E
MVI25000/1	140	520	45	1130	620	590	42	297	560	560	285	530	M32×1.5	E
MVI30000/1	140	600	45	1198	740	627	59	320	690	684	257	595	M32×1.5	H

Three Phase(220V/380V) 8 Poles 750/900RPM 50/60Hz



C



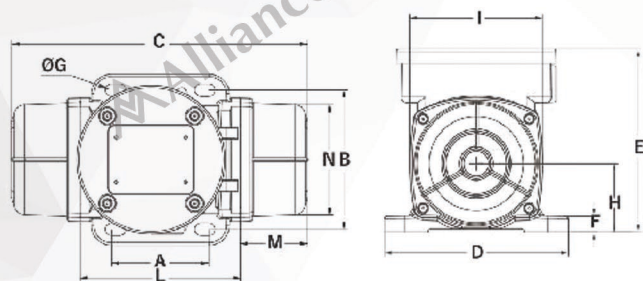
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Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Force(KN)	Weight (KG)	Size
MVI150/0.75	220/380	1.14	0.23	7	21	size40
MVI250/0.75	220/380	0.9	0.35	2	29	size50
MVI400/0.75	220/380	0.9	0.35	2.5	34	size50
MVI650/0.75	220/380	1.2	0.5	4.5	63	size60
MVI900/0.75	220/380	1.23	0.65	6	70	size60
MVI1300/0.75	220/380	2.2	1.2	9	90	size70
MVI2100/0.75	220/380	2.81	1.5	15	150	size75
MVI3100/0.75	220/380	4.5	2	21	201	size80
MVI3800/0.75	220/380	6	2.5	25	219	size80
MVI4200/0.75	220/380	7.15	2.9	30	268	size85
MVI5300/0.75	220/380	8	4	35	289	size85
MVI6500/0.75	220/380	8.78	5	45	308	size85
MVI10000/0.75	380/660	13.5	6.8	70	422	size90

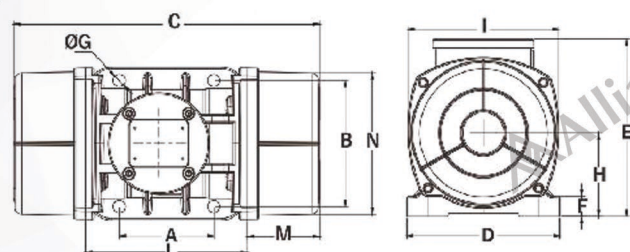
*Special voltage and frequency can be customized

Model	A	B	ØG	C	D	E	F	H	I	L	M	N	Cable gland	Fig
MVI150/0.75	105	140	13	338	170	197	22	92.5	168	178	80	159	M20X1.5	C
MVI250/0.75	120	170	17	395	208	210	24	95	180	205	95	170	M20×1.5	C
MVI400/0.75	120	170	17	458	208	210	24	96	180	205	126	170	M20×1.5	C
MVI650/0.75	140	190	17	444.5	230	262	30	122	237	224.5	110	222	M27×1.5	C
MVI900/0.75	140	190	17	504.5	230	262	30	122	237	224.5	140	222	M27×1.5	C
MVI1300/0.75	155	225	25	558.5	275	318	34	148.5	281	278.5	155	264	M32×1.5	C
MVI2100/0.75	155	255	25	698.5	308	318	34	148.5	281	278.5	210	264	M32×1.5	C
MVI3100/0.75	180	280	26	687.5	335	353	35	170	335	321.5	183	311	M32×1.5	C
MVI3800/0.75	180	280	26	728	332	354	35	170	335	321.5	208	311	M32×1.5	C
MVI4200/0.75	200	320	28	709.5	388	402	42	203	400	309.5	170	378	M32×1.5	C
MVI5300/0.75	200	320	28	709.5	388	402	42	203	400	309.5	170	378	M32×1.5	C
MVI6500/0.75	200	320	28	779.5	388	402	42	203	400	309.5	205	378	M32×1.5	C
MVI10000/0.75	125	380	39	965.5	446	415	42	206	400	405.5	280	378	M32×1.5	D

Single Phase(220V) 2 Poles 3000RPM 50Hz



A



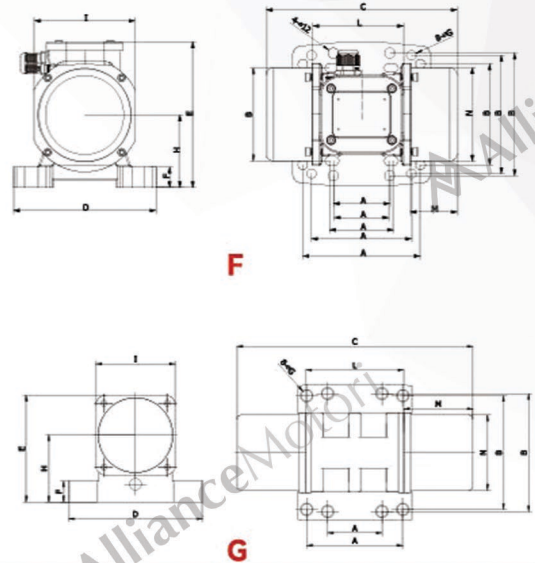
B

Model	Voltage(V)	Current(A.Max)	Power(KW)	Force(KN)	Weight (KG)	Size
MVI 60/3M	220V	0.43	0.08	0.6	4.5	size10
MVI 100/3M	220V	0.54	0.1	1	5.1	size10
MVI 200/3M	220V	0.71	0.18	2	6.8	size20
MVI 300/3M	220V	1.58	0.29	3	10	size30
MVI 400/3M	220V	1.68	0.31	4	10.8	size30

*Special voltage and frequency can be customized

Model	A	B	ØG	C	D	E	F	H	I	L	M	N	Cable gland	Fig
MVI 60/3M	62-74	106	9	215	130	131	11	47	94	121	47	88	M16X1.5	A
MVI 100/3M	62-74	106	9	225	130	131	11	47	94	121	52	88	M16×1.5	A
MVI 200/3M	62-74	106	9	233	130	155	13	63.5	119	123	55	111	M20×1.5	A
MVI 300/3M	90	125	13	257	155	175	14	78	142	163	47	134	M20×1.5	B
MVI 400/3M	90	125	13	257	155	175	14	78	142	163	47	134	M20×1.5	B

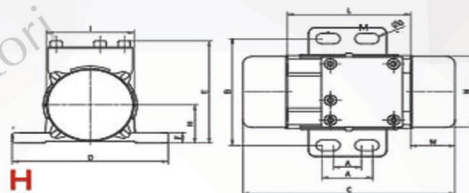
DC Current 12V 24V 3000RPM



Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Force(KN)		Speed	Weight (KG)	Size
MVI 50DC-24	24V	4.2	0.1	50	0.5	3600	4.5	size10
MVI 50DC-12	12V	9.4	0.1	50	0.5	3600	4.5	size10
MVI 200DC-24	24V	6.67	0.16	200	2	3600	6.5	size23
MVI 200DC-12	12V	13.3	0.16	200	2	3600	6.5	size23
MVI 300DC-24	24V	6.9	0.18	300	3	600	6.8	size23
ZF18-50D-12	12V	13.8	0.18	300	3	3600	6.8	size13
ZF18-50D-24	24V	6.9	0.18	300	3	3600	6.8	size13
MVI 700DC-24	24V	30	0.7	700	7	3600	15	size40

*Special voltage and frequency can be customized

Model	A	B	C	D	ØG	E	F	H	I	L	M	N	Cable gland	Fig
MVI 50DC-24	62-74	106	225	130	131	11	9	47	94	121	52	88	M16X1.5	A
MVI 50DC-12	62-74	106	235	130	131	11	9	47	94	121	52	88	M16×1.5	A
MVI 200DC-24	62-74	106	225	163	167	23	11.5	80	116	112	56.5	108	M20×1.5	F
	65	140												
	115	135												
MVI 200DC-12	62-74	106	225	163	167	23	11.5	80	116	112	56.5	108	M20×1.5	F
	65	140												
	115	135												
MVI 300DC-24	62-74	106	225	163	167	23	11.5	80	116	112	56.5	108	M20×1.5	F
ZF18-50D-12	60 115	140 135	280	160.5	126	26	13	79	74	105	81.5	87	M25×1.5	G
ZF18-50D-24	60 115	140 135	280	160.5	126	26	13	79	74	105	81.5	87	M25×1.5	G
MVI 700DC-24	105	140	338	170	197	22	13	92.5	168	178	80	159	M20×1.5	C



Single-phase 220V Poles 2 3000/3600PRM 50/60HZ

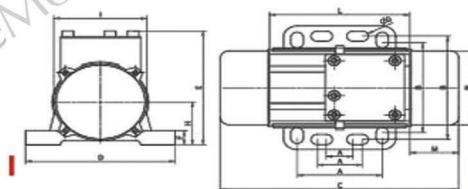
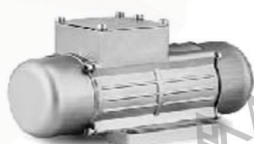
Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Speed (50HZ/60HZ)		Force(KN)	Size
MVI 40/2M-2	220	0.148/0.351	0.04	3000	3600	46	size2

*Special voltage and frequency can be customized

Three-phase 380V Poles 2 3000/3600PRM 50/60HZ

Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Speed (50HZ/60HZ)		Force(KN)	Size
MVI 40/2-2	380	0.121/0.152	0.04	3000	3600	46	size2

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	Fig
MVI 40/2M-2	28-37	91	150	110	86	9	9	32	61.5	89	30.5	60.5	M16x1.5	I
MVI 40/2-2														



Single-phase 220V Poles 2 3000/3600PRM 50/60HZ

Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Speed (50HZ/60HZ)		Force(KN)	Size
MVI 40/2SM-3	220	0.148/0.351	0.04	3000	3600	46	size3

*Special voltage and frequency can be customized

Three-phase 380V Poles 2 3000/3600PRM 50/60HZ

Model	Voltage(V)	Current(A.Max.Y)	Power(KW)	Speed (50HZ/60HZ)		Force(KN)	Size
MVI 40/2S-3	380	0.121/0.152	0.04	3000	3600	46	size3

Model	A	B	ØG	C	D	E	F	H	I	J	K	L	M	N
MVI 40/2SM-3	153	110	65	10	68	33	55	28	31	91.5	9	21	55	M-16
MVI 40/2S-3	170	110	72.5	10	68	29	55	34	32.5	91.5	9	21	68	M-16

■ INSTALLATION

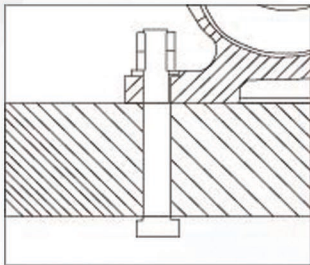
Mounting

The baseplate surface where the vibrator 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. Use 8.8 class bolts, 0.8 class nuts and flat washer that belongs to category A EN ISO 7089/7092 the graph below shows the correct torque setting for the different bolt sizes used on the motor vibrators.

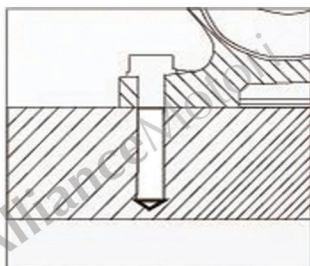
Motor / Machine Interface

Screw		Weight		Weight	
Metric	Imperial	Metric	Imperial Flat washer	(Nm)	(ft*lb)
M6	1/4"	6.4×12	1/4"	9	6.5
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"	1864	1370

Fixing



Smooth through hole
+screw tapped thread
+flat washer
+nut and counter nut



Tapped threaded hole
+screw +flat washer

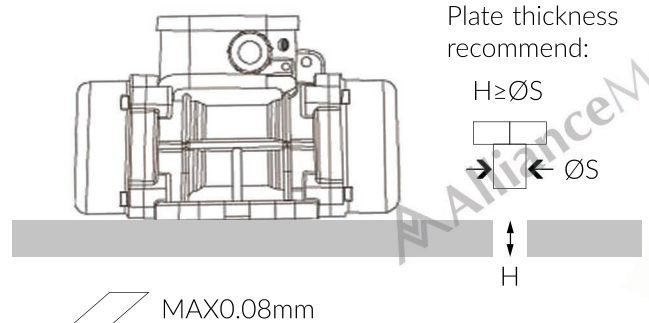


Plate thickness
recommend:

$$H \geq \varnothing S$$



H



MACHINED & NOT PAINTED
SUPPORT PLATE

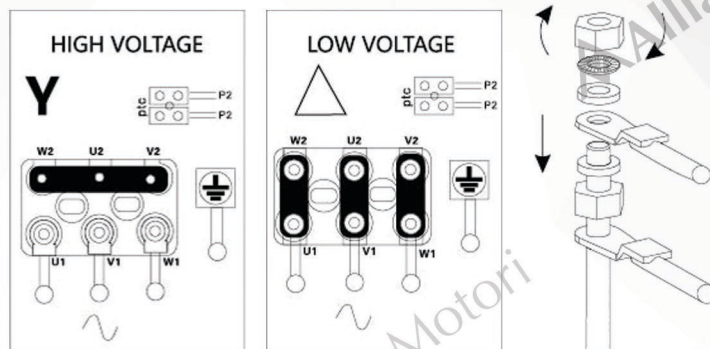
ELECTRICAL CONNECTION

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. Connect the lead wire to the pins [as shown in the diagram below] and 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. For more details about motor installation refer to product manuals.

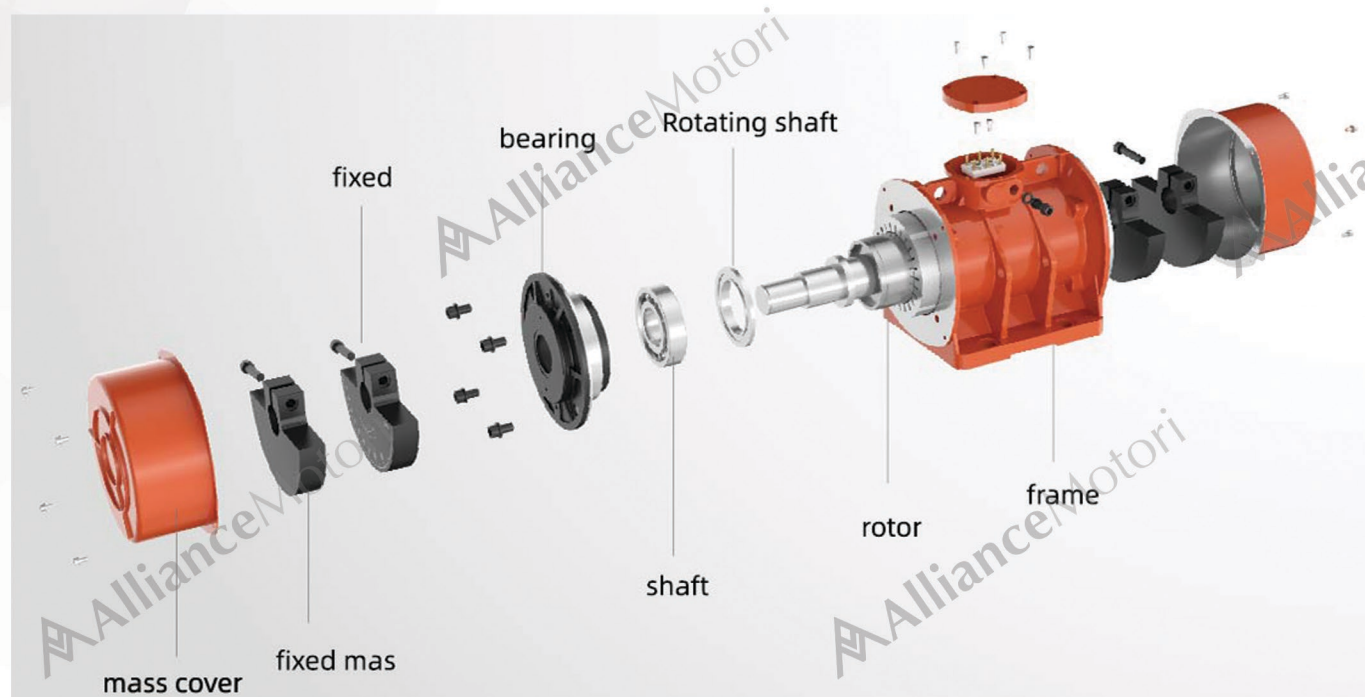
■ INSTALLATION

Junction box nuts tightening torque		
Metric	Nm	FT*LB
M4	2.5	1.84
M5	4	2.95
M6	5	3.69
M8	6	4.43
M10	8	5.90



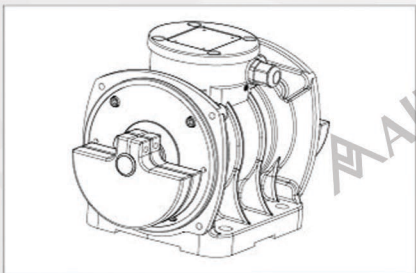
OVERLOAD PROTECTION

All electric vibrator MUST be connected to a suitable external overload protection. When using two electric vibrators in sync, each of them has to be connected to an external overload protector and these overload protectors must be interlocked to make sure both motors are stopped if one fails.

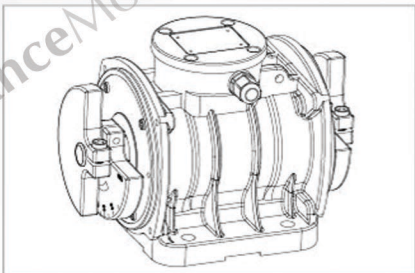


■ ADJUSTABLE MASSES - TYPE A

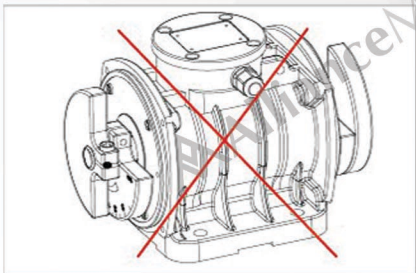
Adjustable masses - type A



MASSSES AT 100%

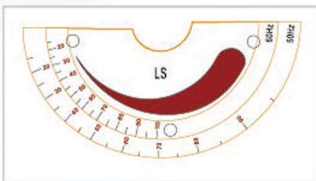


CORRECT ADJUSTMENT

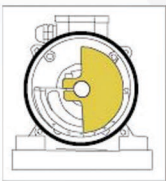
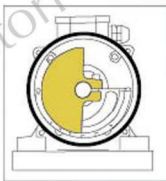


WRONG ADJUSTMENT

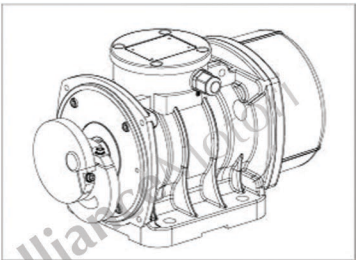
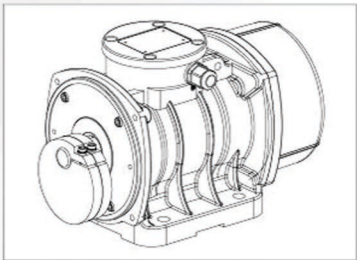
Rotate the mass following the design on the plate: from the thicker tip towards the thin tip.



Rotate the masses in the opposite direction to the cable gland.



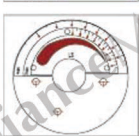
Adjustable masses - type B



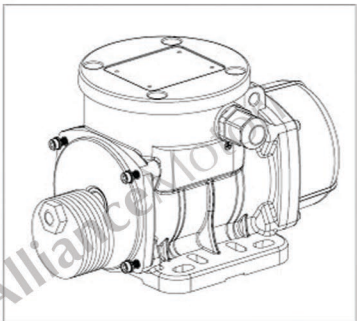
The notch in the mass indicates the degree of adjustment.



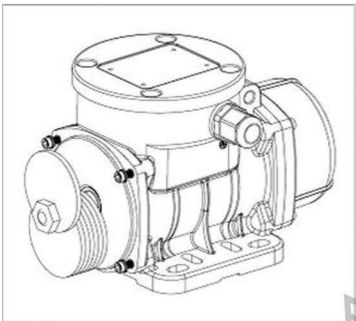
Rotate the mass following the design on the plate: from the thicker tip towards the thin tip



Adjustable masses - type C (blades masses)



MASSSES AT 100%



CORRECT ADJUSTMENT

!

WARNING: DO NOT grease new motors before installation.

All motors come from the factory already filled with the right quantity of grease.

Number of blades	5+5	8+8	9+9	12+12	13+13
The fore reduced if turn up one blade on both side	40	25	22.2	16.7	15.4



AllianceMotori

Electric Vibrator Motor

www.alliancemotori.com