BULK SOLIDS HANDLING EQUIPMENT

Electric Motovibrators

Electric vibrators-MVE-series

Single-phase and three-phase standard vibration motors are used as a general excitation source for various vibration machines. This product can be widely used in mining, metallurgy, coal, electric power, construction, chemical, casting, light industry, food and other industries. MVE series single-phase and three-phase standard vibration motors have the characteristics of light weight, small size, convenient adjustment of exciting force, high insulation level and protection level.

MVE-series
Electric Motovibrators

MVE



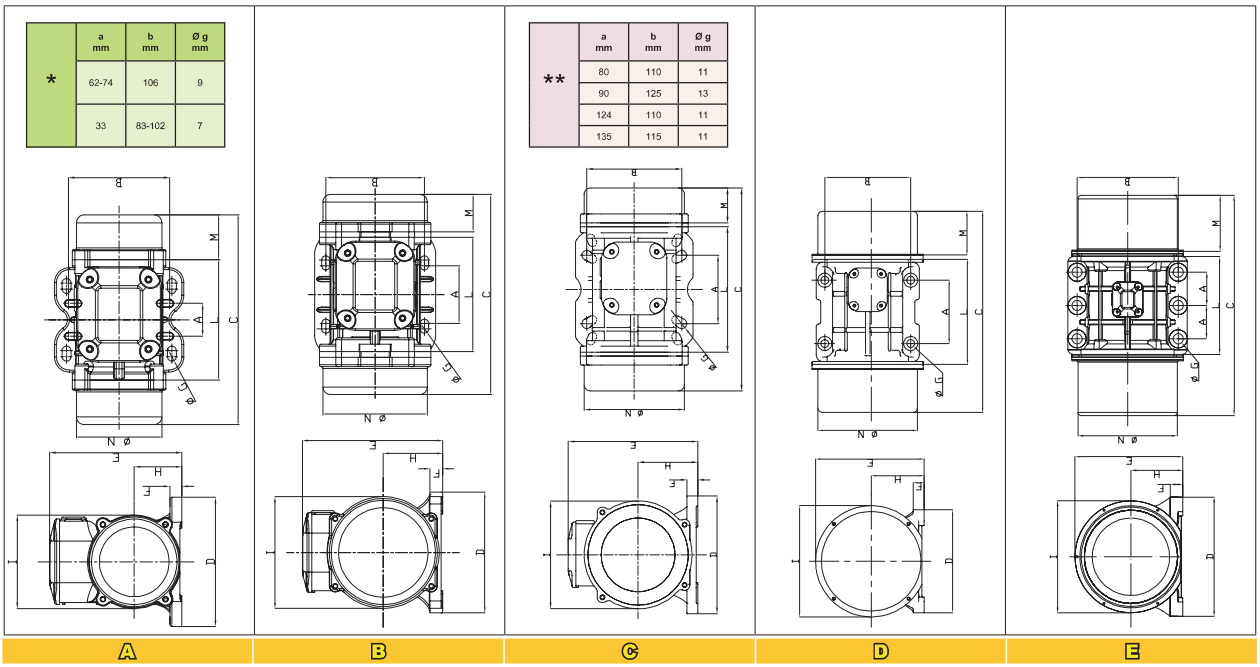
Performance characteristics

- Technical parameters of MVE series vibrating motor:
- Rated voltage: 380V (three-phase) 220V (single phase) (also available for 23/400v, 23/460v)
- Dc voltage: 12V 24V 220V
- Rated frequency: 50HZ (also available for 60HZ)
- Insulation level: class H, level F
- Protection level: Ip65
- Working system: continuous (S1)

Code

MVE	200	/3	
Type	Force (kg)	Speed (r/min)	Voltage
MVE	60-9000	3 : 3000 (r/min) 15 : 1500 (r/min) 1 : 1000 (r/min) 075 : 750 (r/min)	BLANK : Standard Range M : Single phase E : Incresed Safety Range D : Explosion Proof Range S : with Split Cover

CONNECTION SIZE



Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

ELECTRIC MOTOVIBRATORS

▶ 2 POLES-3000 rpm 4 POLES-1500 rpm

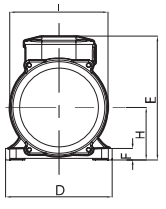
Technical date for MVE series three phase vibrators(380v/50Hz)
2Poles -3000rpm

TYPE	Force kg/f	Force kN	Power kw	Efficiency %	Current A	Weight kg	SIZE	A	B	C	D	E	F	G	H	I	L	M	ΦN	Cable Gland	Fig
MVE60/3	71	0.7	0.03	46	0.16	4.2	SIZE10	62-74	106	211	130	136	12	9	48	94	121	45	86	M16X1.5	B
MVE100/3	99	1	0.04	44	0.19	4.6	SIZE10	62-74	106	221	130	136	12	9	48	94	121	50	86	M16X1.5	B
MVE200/3	198	2	0.09	60	0.35	6.8	SIZE20	62-74	106	231	131	159	15	9	64	121	123	54	112	M20X1.5	B
MVE300/3	311	3	0.16	64	0.52	9.8	SIZE30	90	125	253	154	175	15	13	79	142	163	45	131	M20X1.5	D
MVE400/3	400	4	0.20	74	0.58	10.3	SIZE30	90	125	273	154	175	15	13	79	142	163	55	131	M20X1.5	D
MVE500/3	516	5	0.37	77	0.96	15.8	SIZE40	105	140	334	168	196	22	13	92	169	178	78	158	M20X1.5	D
MVE700/3	750	7	0.45	77	1.25	16.5	SIZE40	105	140	334	168	196	22	13	92	169	178	78	158	M20X1.5	D
MVE800/3	788	8	0.55	79	1.45	20.6	SIZE50	120	170	321	208	210	22	17	94	180	205	58	170	M20X1.5	D
MVE1200/3	1018	10	0.75	82	1.85	21.6	SIZE50	120	170	321	208	210	22	17	94	180	205	58	170	M20X1.5	D
MVE1300/3	1386	13	1.10	76	2.44	24.5	SIZE50	120	170	321	208	210	22	17	94	180	205	58	170	M20X1.5	D
MVE1600/3	1571	16	1.25	81	2.94	51.6	SIZE60	140	190	416	229	247	30	17	120	247	220	80	222	M25X1.5	D
MVE1800/3	1848	18	1.50	81	3.75	52.0	SIZE60	140	190	416	229	247	30	17	120	247	220	80	222	M25X1.5	D
MVE2200/3	2033	20	2.00	83	4.07	52.8	SIZE60	140	190	416	229	247	30	17	120	247	220	80	222	M25X1.5	D
MVE2300/3	2310	23	2.00	83	4.44	53.6	SIZE60	140	190	416	229	247	30	17	120	247	220	80	222	M25X1.5	D
MVE3200/3	3250	32	2.20	76	5.30	96.9	SIZE75	155	255	538	302	318	35	25	147	295	273	115	264	M32X1.5	D
MVE4000/3	4030	40	2.30	76	5.30	107	SIZE75	155	255	538	302	318	35	25	147	295	273	115	264	M32X1.5	D
MVE5000/3	5070	50	3.50	83	7.22	111	SIZE75	155	255	588	302	318	35	25	147	295	273	140	264	M32X1.5	D
MVE6500/3	6500	65	4.20	86	8.20	228	SIZE85	200	320	605	385	410	49	28	200	421	325	120	378	M32X1.5	D
MVE9000/3	9030	90	7.20	72	10.3	240	SIZE85	200	320	605	385	410	49	28	200	421	325	120	378	M32X1.5	D

Technical date for MVE series three phase vibrators(380v/50Hz)
4Poles -1500rpm

TYPE	Force kg/f	Force kN	Power kw	Efficiency %	Current A	Weight kg	SIZE	A	B	C	D	E	F	G	H	I	L	M	ΦN	Cable Gland	Fig
MVE40/15	32	0.3	0.03	33	0.26	4.6	SIZE10	62-74	106	221	130	136	12	9	48	94	121	50	86	M16X1.5	B
MVE90/15	90	0.9	0.04	36	0.31	7.4	SIZE20	62-74	106	231	131	159	15	9	64	121	123	54	112	M20X1.5	B
MVE200/15	183	2	0.06	50	0.49	11.8	SIZE30	90	125	273	154	175	15	13	79	142	163	55	131	M20X1.5	D
MVE250/15	257	2.5	0.07	54	0.54	13.2	SIZE30	90	125	303	154	175	15	13	79	142	163	70	131	M20X1.5	D
MVE300/15	305	3	0.08	57	0.62	16.5	SIZE30	90	125	303	154	175	15	13	79	142	163	70	131	M20X1.5	D
MVE400/15	388	4	0.15	60	0.84	19.5	SIZE40	105	140	334	168	196	22	13	92	169	178	78	158	M20X1.5	D
MVE500/15	518	5	0.25	68	1.06	21.0	SIZE40	105	140	334	168	196	22	13	92	169	178	78	158	M20X1.5	D
MVE700/15	693	7	0.37	77	1.32	27.4	SIZE50	120	170	391	208	210	22	17	94	180	205	93	170	M20X1.5	D
MVE800/15	807	8	0.40	73	1.36	28.3	SIZE50	120	170	391	208	210	22	17	94	180	205	93	170	M20X1.5	D
MVE1100/15	1045	11	0.40	73	1.40	35.8	SIZE50	120	170	451	208	210	22	17	94	180	205	123	170	M20X1.5	D
MVE1400/15	1406	14	0.45	75	1.78	59.8	SIZE60	140	190	448	229	247	30	17	120	247	220	96	222	M25X1.5	D
MVE1700/15	1757	17	0.75	68	2.09	61.8	SIZE60	140	190	448	229	247	30	17	120	247	220	96	222	M25X1.5	D
MVE2400/15	2420	24	1.00	71	3.20	68.0	SIZE60	140	190	514	229	247	30	17	120	247	220	129	222	M25X1.5	D
MVE2500/15	2500	25	1.20	75	3.40	90.0	SIZE70	155	225	522	272	284	40	22	141	267	250	123	235	M25X1.5	D
MVE3000/15	3065	30	1.50	79	3.68	97.5	SIZE70	155	225	522	272	284	40	22	141	267	250	123	235	M25X1.5	D
MVE3800/15	3830	38	1.72	78	4.15	130.4	SIZE75	155	255	588	302	318	35	23.5	147	295	273	140	264	M32X1.5	D
MVE4300/15	4312	43	1.94	78	4.50	134.4	SIZE75	155	255	588	302	318	3	23.5	147	295	273	140	264	M32X1.5	D
MVE5500/15	5576	55	2.20	73	6.50	192.2	SIZE80	180	280	603	332	360	37	26	168	345	304	130	310	M32X1.5	D
MVE7200/15	7188	72	3.00	75	9.60	253.0	SIZE85	200	320	605	385	410	49	28	200	422	325	120	378	M32X1.5	D
MVE9000/15	8984	90	5.80	83	13.40	268.6	SIZE85	200	320	605	385	410	49	28	200	422	325	120	378	M32X1.5	D
MVE10000/15	10052	100	6.30	82	14.40	311.8	SIZE90	125	380	726	452	430	44	38	204	422	367	160	378	M32X1.5	E
MVE11500/15	11799	116	8.40	84	15.20	445	SIZE100	140	440	890	530	484	37	45	232	446	470	210	424	M32X1.5	E
MVE14500/15	14352	141	8.90	85	18.56	460	SIZE100	140	440	890	530	484	37	45	232	446	470	210	424	M32X1.5	E

Fig B



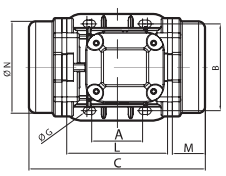
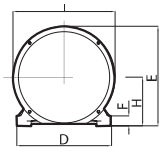


Fig D



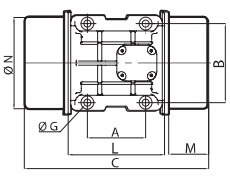
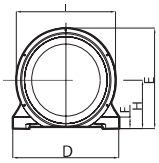
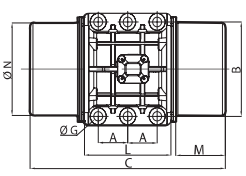


Fig E





Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

ELECTRIC MOTOVIBRATORS

▶ 6 POLES-1000 rpm 8 POLES-750 rpm

Technical date for MVE series three phase vibrators(380v/50Hz)
6Poles -1000rpm

TYPE	Force		Power	Efficiency	Current	Weight	SIZE	A	B	C	D	E	F	ΦG	H	I	L	M	N	Cable Gland	Fig
	KG	KN	kw	%	A	kg															
MVE50/1	51	0.5	0.03	25	0.83	10.4	SIZE30	90	125	273	154	175	15	13	79	142	163	55	131	M20×1.5	D
MVE100/1	105	1	0.04	33	0.42	12.2	SIZE30	90	125	303	154	175	15	13	79	142	163	70	131	M20×1.5	D
MVE200/1	185	1.8	0.05	33	0.48	19.6	SIZE40	105	140	334	168	196	22	13	72	169	178	78	158	M20×1.5	D
MVE300/1	308	3	0.16	64	0.67	26.6	SIZE50	120	170	391	208	210	22	17	94	180	205	93	170	M20×1.5	D
MVE400/1	408	4	0.25	68	0.78	30.5	SIZE50	120	170	451	208	210	22	17	94	180	205	123	170	M20×1.5	D
MVE500/1	510	5	0.37	67	1.22	34.0	SIZE50	120	170	451	208	210	22	17	94	180	205	123	170	M20×1.5	D
MVE800/1	781	7.8	0.45	66	1.26	61.8	SIZE60	140	190	448	229	247	30	17	120	247	220	96	222	M25×1.5	D
MVE1100/1	1067	11	0.55	68	1.42	79.4	SIZE60	140	190	514	229	247	30	17	120	247	220	129	222	M25×1.5	D
MVE1400/1	1378	14	0.70	68	1.95	81.7	SIZE60	140	190	562	229	247	30	17	120	247	220	154	222	M25×1.5	D
MVE1500/1	1500	15	0.70	68	2.00	83.6	SIZE60	140	190	562	229	247	30	17	120	247	220	154	222	M25×1.5	D
MVE1600/1	1600	16	0.75	73	2.06	85.4	SIZE60	140	190	562	229	247	30	17	120	247	220	140	222	M25×1.5	D
MVE1620/1	1622	16	0.75	68	2.06	99.8	SIZE70	155	225	556	272	284	40	22	141	267	250	170	235	M25×1.5	D
MVE2100/1	2026	21	1.10	73	2.88	114.3	SIZE70	155	225	590	272	284	40	22	141	267	250	200	235	M25×1.5	D
MVE2600/1	2573	26	1.50	77	3.63	148.6	SIZE75	155	225	708	302	318	35	23.5	147	295	273	200	264	M32×1.5	D
MVE3000/1	2931	30	1.70	77	4.17	155.4	SIZE75	155	225	708	302	318	35	23.5	147	295	273	170	264	M32×1.5	D
MVE3800/1	3835	38	2.00	80	4.67	215.6	SIZE80	180	280	683	332	360	37	26	168	345	304	195	310	M32×1.5	D
MVE4700/1	4721	47	2.35	81	6.01	230.8	SIZE80	180	280	733	332	360	37	26	168	345	304	160	310	M32×1.5	D
MVE5200/1	5193	52	2.60	81	6.92	279.8	SIZE85	200	320	685	385	410	49	28	200	422	325	160	378	M32×1.5	D
MVE6500/1	6491	65	2.90	81	7.76	304.4	SIZE85	200	320	685	385	410	49	28	200	422	325	210	378	M32×1.5	D
MVE8000/1	8018	80	4.50	82	12.60	325.2	SIZE85	200	320	785	385	410	49	28	200	422	325	210	378	M32×1.5	D
MVE9000/1	8936	90	5.00	81	13.20	337.8	SIZE85	200	320	785	385	410	49	28	200	422	325	210	378	M32×1.5	D
MVE10000/1	10170	100	6.20	83	14.30	385.8	SIZE90	125	380	826	452	430	44	38	204	422	367	260	378	M32×1.5	E
MVE13000/1	12700	130	7.00	84	16.00	422.2	SIZE90	125	380	926	452	430	44	38	204	422	367	210	378	M32×1.5	E
MVE15000/1	14706	144	9.00	85	17.00	686.5	SIZE105	140	480	980	570	542	48	45	268	510	560	250	490	M32×1.5	H
MVE17500/1	17980	176	11.00	85	20.78	744.0	SIZE105	140	480	1060	570	542	48	45	268	510	560	250	490	M32×1.5	H
MVE19500/1	20285	199	12.00	86	22.00	768.0	SIZE105	140	480	1060	570	542	48	45	268	510	560	250	490	M32×1.5	H
MVE22000/1	22711	223	16.00	86	29.00	916.0	SIZE110	140	520	1130	610	594	42	45	297	560	560	285	530	M32×1.5	H
MVE25000/1	25532	250	16.00	86	29.00	994.0	SIZE110	140	520	1130	610	594	42	45	297	560	560	285	530	M32×1.5	H

Technical date for MVE series three phase vibrators(380v/50Hz)
8Poles -750rpm

TYPE	Force		Power	Efficiency	Current	Weight	SIZE	A	B	C	D	E	F	ΦG	H	I	L	M	N	Cable Gland	Fig
	KG	KN	kw	%	A	kg															
MVE150/075	105	1	0.08	3.5	0.38	21.4	SIZE40	105	140	334	168	196	22	13	92	169	178	78	158	M20×1.5	D
MVE250/075	180	2	0.12	48	0.67	29.5	SIZE50	120	170	391	208	210	22	17	94	180	205	93	170	M20×1.5	D
MVE400/075	264	2.5	0.12	48	0.73	35.0	SIZE50	120	170	451	208	210	22	17	94	180	205	123	170	M20×1.5	D
MVE650/075	431	4.5	0.20	54	0.96	64.7	SIZE60	140	190	448	229	247	30	17	120	247	220	96	222	M25×1.5	D
MVE900/075	589	6	0.45	56	1.29	71.0	SIZE60	140	190	514	229	247	30	17	120	247	220	129	222	M25×1.5	D
MVE1300/075	940	9	.0.56	60	1.86	99.8	SIZE70	155	225	556	292	284	40	22	141	267	250	140	235	M25×1.5	D
MVE2100/075	1468	15	1.00	67	2.81	150.4	SIZE75	155	255	708	302	318	35	23.5	147	295	273	200	264	M32×1.5	D
MVE3100/075	2137	21	1.40	70	3.79	212.2	SIZE80	180	280	683	332	360	37	26	168	345	304	170	310	M32×1.5	D
MVE3800/075	2633	25	1.75	70	4.50	230.2	SIZE80	180	280	733	332	360	37	26	168	345	304	195	310	M32×1.5	D
MVE4200/075	2920	0.3	2.10	72	5.26	284.5	SIZE85	200	320	685	385	410	49	28	200	422	325	160	378	M32×1.5	D
MVE5300/075	3660	35	2.70	73	7.26	305.0	SIZE85	200	320	685	385	410	49	28	200	422	325	160	378	M32×1.5	D
MVE6500/075	4510	45	3.65	74	9.93	324.4	SIZE85	200	320	785	385	410	49	28	200	422	325	210	378	M32×1.5	D
MVE10000/075	6911	70	5.10	75	13.50	422.2	SIZE90	125	380	926	452	430	44	38	204	422	367	260	378	M32×1.5	E
MVE12000/075	8904	87	6.10	82	14.20	571.0	SIZE100	140	440	1020	530	484	37	45	232	446	470	275	424	M32×1.5	E
MVE14000/075	11661	114	7.40	872	15.80	751.0	SIZE105	140	480	1060	570	542	48	45	268	510	560	250	490	M32×1.5	H
MVE17000/075	13822	135	8.40	82	17.86	812.0	SIZE105	140	480	1120	570	542	48	45	268	510	560	280	490	M32×1.5	H
MVE23000/075	18395	180	10.00	83	18.45	982.0	SIZE110	140	520	1130	610	594	42	45	297	560	560	285	530	M32×1.5	H

Fig D

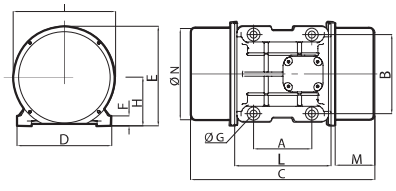


Fig E

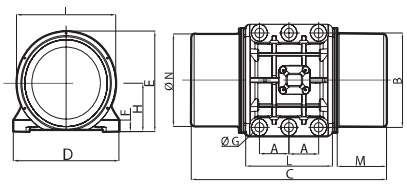
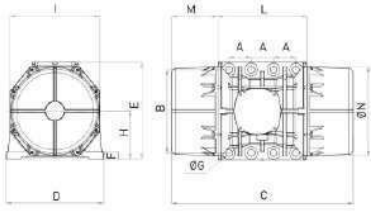


Fig H



Dimensions in mm

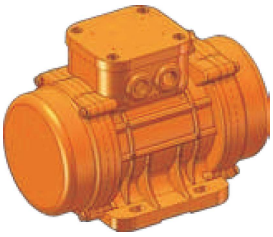
BULK SOLIDS HANDLING EQUIPMENT

ELECTRIC MOTOVIBRATORS

► 2 POLES SINGLE PHASE 3000 rpm

TYPE	Mechanical Features				Electric Features					
	Working moment Kgcm 50Hz	Force Kg kg/f	Force Kg kN	Weight Kg 50Hz	Power Kw 50 Hz	Current A max (Y) 50 Hz 230V	Capacitor UF 50Hz	Class II Div .2 Temp. Class (T)	II3D Temp. Class (°C)	Cable Glande
MVE 60/3M	1.31	66	0.7	4.5	0.08	0.43	4	T4	100	M16
MVE 100/3M	1.98	99	1	5.1	0.10	0.54	4		100	M16
MVE 200/3M	3.94	197	2	6.8	0.13	0.71	5	T4	100	M20
MVE 300/3M	6.22	311	3	10.0	0.29	1.58	12	T4	100	M20
MVE400/3M	8.00	400	4	10.8	0.31	1.68	12	T4	100	M20

(*) = Working moment = 2 x static moment



*	A mm	B mm	Ø G mm
	62 - 74	106	9
	33	83-102	7

Fig A

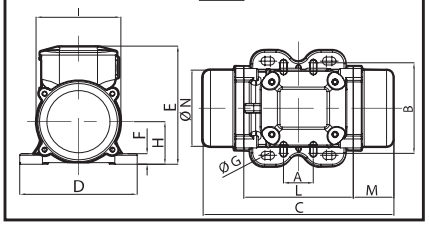
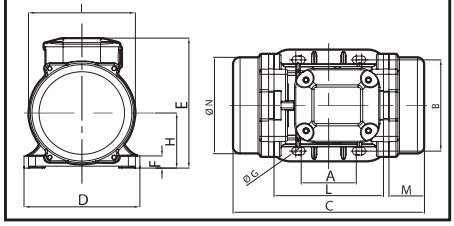


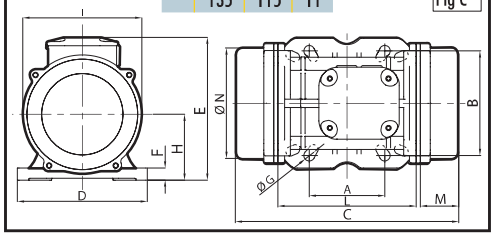
Fig B



TYPE	Dimensional Features														
	FIG	Size	C (mm) 50Hz	C (mm) 60Hz	M (mm) 50Hz	M (mm) 60Hz	A (mm)	B (mm)	Ø G (mm)	Holes n°	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	N (mm)
MVE 60/3M	B	10	211		45		62-74	106	9	4	130	136	12	48	94	121	85
MVE 100/3M	B	10	221		50		62-74	106	9	4	130	136	12	48	94	121	85
MVE 200/3M	B	20	231		54		62-74	106	9	4	130	159	14	64	121	123	112
MVE 300/3M	B	30	255		45		90	125	13	4	155	177	14	80	144	165	132
MVE400/3M	B	30	275		55		90	125	13	4	155	177	14	80	144	165	132

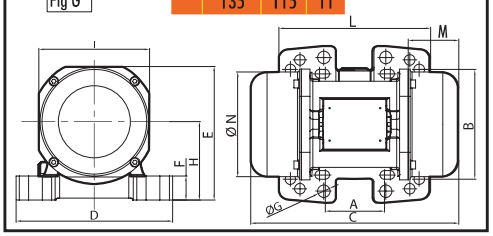
***	A mm	B mm	Ø G mm
	80	110	11
	90	125	13
	124	110	11
	135	115	11

Fig C



**	A mm	B mm	Ø G mm
	62 - 74	106	9
	65	140	13
	115	135	11
	135	115	11

Fig G



Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

ELECTRIC MOTOVIBRATORS

▶ DC 3000 rpm

TYPE	Mechanical Features				Electric Features			
	RPM	Working moment (*) Kgcm	FC Kg	Weight Kg	Power Kw	Current A max	Ex II3 D Temp. Class (°C)	Cable Glande
MVE 202 DC 24	3000	4.17	200	7.2	0.16	6.7	100	M20
MVE 202 DC 12	3000	4.17	200		0.16	13.3	100	M20
MVE 50 DC 24	3000	1.02	50	4.4	0.08	3.3	100	M16
MVE 50 DC 12	3000	1.02	50		0.08	6.6	100	M16

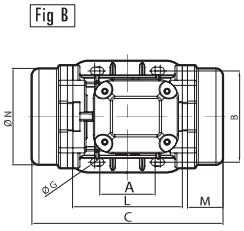
(*) = Working moment = 2 x static moment

TYPE	Dimensional Features														
	FIG.	Size	C (mm) 50Hz	M (mm) 50Hz	A (mm)	B (mm)	Ø G (mm)	Holes n°	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	N (mm)
MVE 202 DC 24	G	23	218	53	62-74	106	9	4	164	140	25	82	116	159	110
MVE 202 DC 12	G	23	218	53	62-74	106	9	4	164	140	25	82	116	159	110
MVE 50 DC 24	B	10	211	45	62-74	106	9	4	130	136	12	48	94	121	85
MVE 50 DC 12	B	10	211	45	62-74	106	9	4	130	136	12	48	94	121	85

NOTE: Dimensions with coarse degree of accurancy related to UNI 22768/1

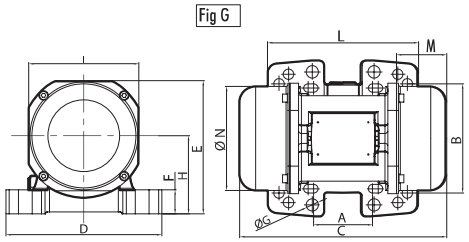


Fig B



*	A mm	B mm	Ø G mm
	62 - 74	106	9
	33	83-102	7

Fig G



**	A mm	B mm	Ø G mm
	62 - 74	106	9
	65	140	13
	115	135	11
	135	115	11

Dimensions in mm

BULK SOLIDS HANDLING EQUIPMENT

ELECTRIC MOTOVIBRATORS

► MICRO MVE 3000 - 3600 rpm

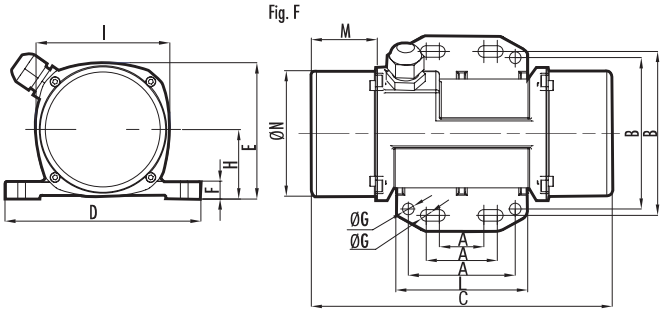
THREE PHASE TYPE	Mechanical Features						Electric Features						
	Working moment (*) Kgcm		FC Kg		Weight Kg	Weight Lb	Power Kw		Current A max		Class IIDiv2II3D Temp. Class	Temp. Class	Cable Glande
	50Hz	60Hz	50Hz	60Hz	50Hz	50Hz	50 Hz	60 Hz	50 Hz 400V	60 Hz 460V	(1)	(°C)	
MVE 21/3	0.44	0.44	22	32	1.5	3.3	0.03	0.04	0.10	0.12	T4	100	M16
MVE 41/3	0.86	0.86	44	62	1.7	3.7	0.07	0.07	0.25	0.25	T4	100	M16

SINGLE PHASE TYPE	Mechanical Features						Electric Features						
	Working moment (*) Kgcm		FC Kg		Weight Kg	Weight Lb	Power Kw		Current A max		Class IIDiv2II3D Temp. Class	Temp. Class	Cable Glande
	50Hz	60Hz	50Hz	60Hz	50Hz	50Hz	50 Hz	60 Hz	50 Hz 230V	60 Hz 115V	(1)	(°C)	
MICRO 4/3 M	0.12	0.12	5	8	1.4	3.1	0.02	0.02	0.3	0.6	T4	100	M16
MICRO 5/3 M	0.12	0.12	5	8	1.4	3.1	0.02	0.02	0.3	0.6	T4	100	M16
MVE 21/3 M	0.44	0.44	22	32	1.5	3.3	0.03	0.04	0.10	0.23	T4	100	M16
MVE 41/3 M	0.86	0.86	44	62	1.7	3.7	0.07	0.07	0.40	0.80	T4	100	M16

(*) = *Working moment = 2 x static moment*



Fig. F



TYPE	Dimensional Features													
	FIG.	C (mm) 50Hz	M (mm) 50Hz	A (mm)	B (mm)	Ø G (mm)	Holes n°	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	N (mm)
MVE 21/3	F	145	25	25-40 / 60	92 / 85	6.5 / 6.5	4	110	76.5	10	39	75	74	70.5
MVE 41/3	F	169	37	25-40 / 60	92 / 85	6.5 / 6.5	4	110	76.5	10	39	75	74	70.5

TYPE	Dimensional Features													
	FIG.	C (mm) 50Hz	M (mm) 50Hz	A (mm)	B (mm)	Ø G (mm)	Holes n°	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	N (mm)
MICRO 4/3 M	F	145	25	25-40 / 60	92 / 85	6.5 / 6.5	4	110	76.5	10	39	75	74	70.5
MICRO 5/3 M	F	145	25	25-40 / /	75 / /	6.5 / /	4	90	76.5	10	39	75	74	70.5
MVE 21/3 M	F	145	25	25-40 / 60	92 / 85	6.5 / 6.5	4	110	76.5	10	39	75	74	70.5
MVE 41/3 M	F	169	37	25-40 / 60	92 / 85	6.5 / 6.5	4	110	76.5	10	39	75	74	70.5

Dimensions in mm