Vibration motors

VEV Series

Powerful, efficient and flexible...

Technical catalogue

VYBO Electric

Introduction

VYBO Electric is an integrated company that is specially engaged in the R&D and sales of AC asynchronous vibration motor, DC vibration motor, DC high frequency vibration motor, pneumatic vibrator and vibration damping support. The company implements the high-starting development strategy, introduces the experienced R&D engineer team, adopts the advanced design concepts, fully absorbs advanced technologies at home and abroad to create the VEV full-range vibration motor products. VYBO Electric is committed to producing the durable and energy-saving fine vibration motor, keeping upgrading and optimizing the product design and continuously perfecting the production details.

Detail design

Customized design of silicon steel sheet

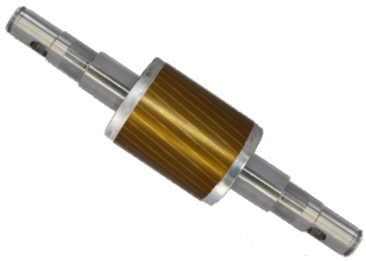
Based on the rich design experience and strong theoretical basis, we design our silicon steel sheet according to the requirements. In terms of the hardware, we adopt the matched silicon steel sheet with the high performance and low iron loss, to satisfy its ultra-small size, extremely low calorific value and ultra-high efficiency.

Insulating treatment of stator

We adopt the verified vacuum pressure dipping system in the industry and it has the extremely strong insulating power and anti-corona capability. characteristics Air gap is perfectly filled and there is no bulbInsulating property is perfect with the long insulation life.
Strong winding mechanical and electrical strength.

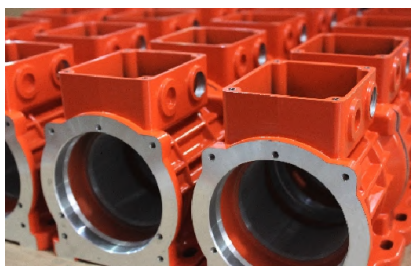
Rotor design and manufacture

Motorsolve design, advanced cast aluminum process and high-precision numerical control machining technology are adopted for the rotor manufacture. Main shaft is quenched and tempered with Cr round steel, and the strength is twice than that of the common motor; Silicon steel sheet of rotor adopts high-speed stamping progressive die with small burr, good flatness and high finish.



Reliable mechanical structure

VEV and other series of motor housing materials have the high strength aluminum alloy, corrosion-resistant stainless steel and nodular cast irons, etc. and they are molded by the high-density die-casting. All series of products adopt scientific and reasonable structural design and choose the long-life bearing, ensuring the high mechanical reliability and operational stability of the motor.



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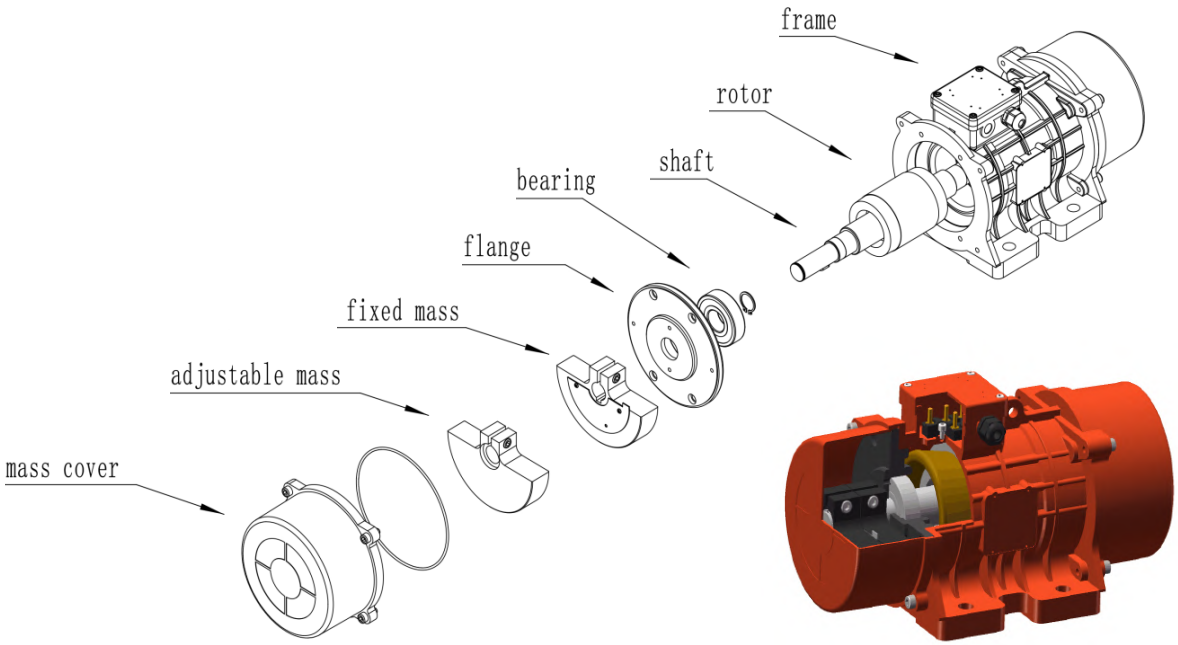
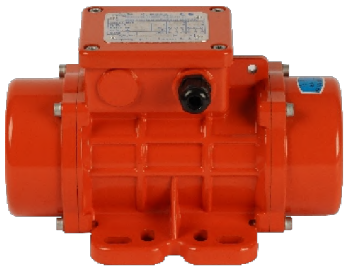
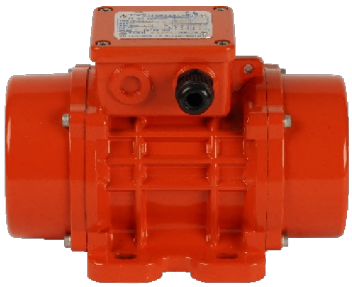


	Model		Poles	Force kN	Voltage Class	Speed (50 Hz) RPM	Power kW
VEV series	2- 8poles	VEV	2	0.7- 150	Three phase	2930- 2800	0.03- 15
			4	0.3- 141		1420- 1460	0.03- 8.9
			6	0.5- 400	220V- 690V	910- 980	0.03- 30
			8	1- 180	50Hz or 60Hz	710- 745	0.08- 10
	Single- phase	VEVJF	2	0.7- 4	115V 60Hz	2900- 2940	0.08- 0.31
			4	0,3	220V 50Hz	1450	0,03
VEVDC series	Direct current	VEVDC-MICRO	-	0.1- 0.2	12V/24V	3000	0.015- 0.02
		VEVDC	-	0.5 -2.0	12V/24V	3000	0.1- 0.2
			-	0,15-0.5	12V/24V	3800- 7000	0.015- 0.05
			-	1.3- 6.0	12V/24V/36V/48V	3600- 4600	0.07- 0.2
VEV4	Micro	VEV- MICRO	2	0.1- 0.82	Three phase 220V-460V 50Hz 60Hz	2940	0.015- 0.07
	Micro	VEV4- MICRO	2	0.2- 0.82	Single phase 115V 60Hz / Single phase 220V 50Hz		0.01- 0.06
	Direct current		-	0.15- 1.6	12V/24V/36V/48V	3000- 7200	0.01- 0.07
			-	0.2- 0.82	12V/24V	3000	0.02- 0.04
Explosion Proof series	2- 8poles	VEV-EX	2	5- 40	Three phase	2870- 2910	0.5- 3
			4	2.5- 100		1400- 1460	0.12- 6.3
			6	3- 180	220V- 460V	950- 985	0.2- 13
			8	80- 180	50Hz or 60Hz	735- 740	5.5- 13
side plate	4- 8poles	VEV-SP	4	25- 100	Three phase	1450- 1480	1.25- 6.3
			6	15- 180	220V- 690V	970- 990	1.1- 13
			8	50- 180	50Hz or 60Hz	735- 745	3.7- 13
Long Pole	4poles	VEV-LP	-	20- 60	Three phase 220V- 690V 50Hz or 60Hz	1420- 1450	1.1- 3.6

VYBO Electric

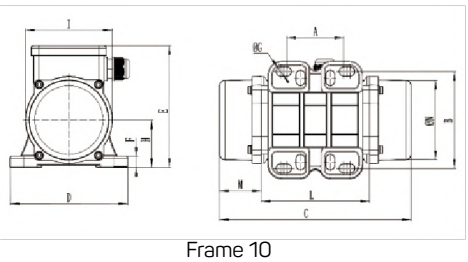
Technical data for VEV 2 Poles 3000/3600 RPM



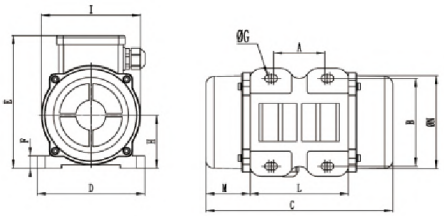


Wm (kgcm)		Model		Centrifugal Force (Kg)		Weight	Input Power (kW)		Standard Nominal Current(A)		Terminal Connection	Ia/In		Cable Gland
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50Hz-60Hz	50 Hz	60 Hz	50 Hz (400V)	60 Hz (460V)		50 Hz	60 Hz	Metric
1.3	1.0	VEV60/3-10	VEV60/36-10	66	71	4	0.09	0.09	0.25	0.26	Y	3.2	3.2	M16
2.0	1.3	VEV100/3-10	VEV100/36-10	98	95	5	0.09	0.09	0.25	0.26	Y	3.2	3.2	M16
3.7	2.6	VEV200/3-20	VEV200/36-20	187	189	7	0.15	0.18	0.35	0.37	Y	3.5	3.5	M20
3.7	2.6	VEV200/3-23	VEV200/36-23	187	189	7	0.15	0.18	0.35	0.37	Y	3.5	3.5	M20
6.4	4.5	VEV300/3-10	VEV300/36-30	321	323	10	0.25	0.28	0.52	0.56	Y	3.8	3.7	M20
8.0	5.7	VEV400/3-30	VEV400/36-30	407	411	10	0.27	0.33	0.58	0.60	Y	3.7	3.7	M20
10.3	7.4	VEV500/3-40	VEV500/36-40	530	534	16	0.50	0.58	0.96	0.97	Y	4.2	4.4	M20
14.9	10.6	VEV700/3-40	VEV700/36-40	758	765	17	0.59	0.61	1.25	1.30	Y	4.5	5.2	M20
15.7	11.1	VEV800/3-50	VEV800/36-50	794	800	20	0.70	0.84	1.45	1.50	Y	4.0	4.0	M20
20.3	14.0	VEV1200/3-50	VEV1200/36-50	1005	1013	21	0.95	1.15	1.85	1.95	Y	4.6	4.7	M20
26.6	18.6	VEV1300/3/50	VEV1300/36-50	1355	1365	22	1.30	1.38	2.44	2.53	Y	5.4	5.2	M20
31.3	22.2	VEV1600/3-60	VEV1600/36-60	1601	1608	51	1.54	1.60	2.94	3.00	Y	6.1	6.4	M25
36.8	27.6	VEV2000/3-60	VEV2000/36-60	2027	1997	52	2.10	2.10	3.75	3.83	Y	6.7	6.6	M25
46.0	31.9	VEV2300/3-60	VEV2300/36-60	2302	2306	53	2.40	2.45	4.44	4.51	Y	6.2	6.5	M25
68.1	43.9	VEV3200/3-75	VEV3200/36-75	3252	3176	103	2.76	2.90	5.30	5.40	Y	8.5	8.4	M32
79.4	56.0	VEV4000/3-75	VEV4000/36-75	4033	4052	107	2.90	2.90	5.30	5.40	Y	8.7	9.9	M32
103.2	69.8	VEV5000/3-75	VEV5000/36-75	5009	5048	111	4.00	4.00	7.22	7.30	Y	8.7	10	M32
129.6	90.5	VEV6500/3-85	VEV6500/36-85	6510	6552	228	5.23	5.50	9.43	9.50	Δ	8.7	9	M32
179.6	129.6	VEV9000/3-85	VEV9000/36-85	9025	9375	240	9.50	9.30	17.80	18.00	Δ	8.6	8.8	M32
129.6	90.5	VEV6500/3-86	VEV6500/36-86	6510	6552	228	5.50	6.30	9.50	9.50	Δ	8.2	7.7	M32
179.6	129.6	VEV9000/3-86	VEV9000/36-86	9025	9375	240	6.60	7.70	11.50	11.50	Δ	8.2	8.2	M32

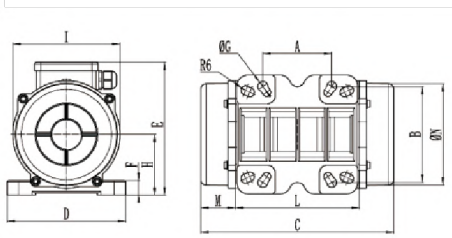
Mounting data for VEV 2 Poles 3000/3600 RPM



Frame 10



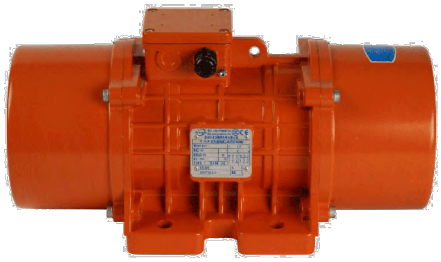
Frame 20



Frame 30

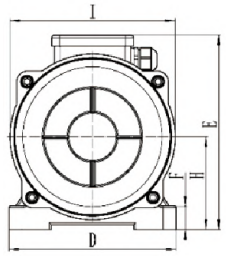
Model					C	M								Holes	
50Hz	60Hz	A	B	ΦG	50Hz-60Hz	50Hz-60Hz	D	E	F	H	I	L	N	n°	Size
VEV60/3-10	VEV60/36-10	Multiple Footprint			213	45	130	135	12	50	96	107	86	4	10
		62-74	106	10											
		33	83-102	10											
VEV100/3-10	VEV100/36-10	Multiple Footprint			213	45	130	135	12	50	96	107	86	4	10
		62—74	106	10											
		33	83-102	10											
VEV200/3-20	VEV200/36-20	62-74	106	9	233	54	131	154	15	65	125	120	112	4	20
VEV200/3-23	VEV200/36-23	Multiple Footprint			217	50	165	140	25	82	116	160	110	4	23
		62-74	106	11											
		65	140	14.5											
		115.5	135	11											
		134.5	115	11											
VEV300/3-30	VEV300/36-30	Multiple Footprint			250	45	155	173	19	9	150	160	134	4	30
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											
VEV400/3-30	VEV400/36-30	Multiple Footprint			276	58	155	173	19	79	150	160	134	4	30
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											
VEV500/3-40	VEV500/36-40	105	140	13	334	78	168	196	22	92	169	178	158	4	40
VEV700/3-40	VEV700/36-40	105	140	13	334	78	168	196	22	92	169	178	158	4	40
VEV800/3-50	VEV800/36-50	120	170	17	321	58	208	210	22	96	185	205	170	4	50
VEV200/3-60	VEV1200/36-50	120	170	17	321	58	208	210	22	96	185	205	170	4	50
VEV1300/3-50	VEV1300/36-50	120	170	17	321	58	208	210	22	96	185	205	170	4	50
VEV1600/3-60	VEV1600/36-60	140	190	17	416	80	229	260	30	124	240	256	222	4	60
VEV2000/3-60	VEV2000/36-60	140	190	17	416	80	229	260	30	124	240	256	222	4	60
VEV2300/3-60	VEV2300/36-60	140	190	17	416	80	229	260	30	124	240	256	222	4	60
VEV3200/3-75	VEV3200/36-75	155	255	25	518	105	302	314	35	147	285	308	265	4	75
VEV4000/3-75	VEV4000/36-75	155	255	25	518	105	302	314	35	147	285	308	265	4	75
VEV5000/3-75	VEV5000/36-75	155	255	25	518	105	302	314	35	147	285	308	265	4	75
VEV6500/3-85	VEV6500/36-85	200	320	28	611	122	387	402	40	203	394	367	378	4	85
VEV9000/3-85	VEV9000/36-85	200	320	28	611	122	387	402	40	203	394	367	378	4	85
VEV6500/3-86	VEV6500/36-86	200	320	28	611	122	387	402	40	203	394	367	378	4	86
VEV9000/3-86	VEV9000/36-86	200	320	28	611	122	387	402	40	203	394	367	378	4	86

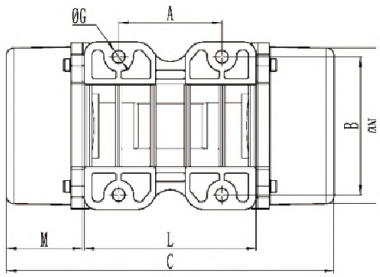
Technical data for VEV 4 Poles 1500/1800 RPM



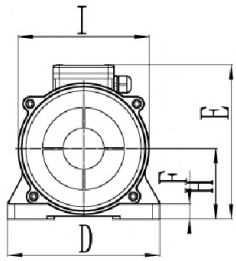
Wm (kgcm)		Model		Centrifugal Force (Kg)		Weight	Input Power (kW)		Standard Nominal Current(A)		Terminal Connection	Ia/In		Cable Gland
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50Hz-60Hz	50 Hz	60 Hz	50 Hz (400V)	60 Hz (460V)		50 Hz	60 Hz	Metric
2	2	VEV40/15-10	VEV40/18-10	25	36	5	0.05	0.04	0.31	0.31	Y	2.2	2.2	M16
6	4.2	VEV90/15-20	VEV90/18-20	75	76	7	0.07	0.08	0.31	0.39	Y	2.2	2.2	M20
7.7	5.4	VEV100/15-20	VEV100/18-20	97	98	7	0.07	0.08	0.31	0.39	Y	2.2	2.2	M20
15.4	10.8	VEV200/15-30	VEV200/18-30	194	196	12	0.12	0.15	0.49	0.50	Y	2.2	2.2	M20
26.6	16.8	VEV300/15-30	VEV300/18-30	305	308	13.5	0.25	0.28	0.62	0.70	Y	2.2	2.2	M20
33.4	23.4	VEV400/15-40	VEV400/18-40	420	423	20	0.27	0.32	0.84	0.86	Y	2.7	2.7	M20
40.1	28.1	VEV500/15-40	VEV500/18-40	504	508	21	0.35	0.40	1. 06	1.09	Y	3	2.9	M20
56.8	39.4	VEV700/15-50	VEV700/18-50	714	712	27	0.62	0.73	1. 32	1.38	Y	3.2	3.4	M20
56.8	39.4	VEV800/15-50	VEV800/18-50	807	796	29.5	0.64	0.75	1. 36	1.40	Y	3.3	3.38	M20
75.6	52.9	VEV950/15-50	VEV950/18-50	950	957	33	0.68	0.77	1. 40	1.43	Y	4.2	4.2	M20
87.7	61. 4	VEV1100/15-50	VEV1100/18-50	1102	1110	35	0.68	0.77	1. 40	1.43	Y	4	4	M20
108.6	76.7	VEV1400/15-60	VEV1400/18-60	1364	1388	63.5	0.70	0.84	1. 78	1.83	Y	4.2	42	M25
137.3	92	VEV1700/15-60	VEV1700/18-60	1725	1664	67.5	1.13	1. 30	2.16	2.26	Y	4.9	4.7	M25
187.7	137.4	VEV2400/15-60	VEV2400/18-60	2358	2485	77	1.57	1.88	3.20	3.30	Y	5.1	5.1	M25
203.5	135.6	VEV2500/15-70	VEV2500/18-70	2557	2454	85	1.76	2.00	3.08	3.15	Y	6.2	6.3	M25
248.7	169.8	VEV3000/15-70	VEV3000/18-70	3124	3071	83.5	1.90	2.30	3.68	3.75	Y	6.7	6.8	M25
306.7	204.7	VEV3800/15-75	VEV3800/18-75	3853	3704	125	2.20	2.60	4.15	4.20	Y	7	7	M32
343.2	240.7	VEV4300/15-75	VEV4300/18-75	4312	4359	136	2.50	3.00	4.50	4.60	Y	7.2	7.4	M32
437.4	303.7	VEV5500/15-80	VEV5500/18-80	5495	5495	181	2.88	3.45	6.50	6.60	Y	7.3	7.2	M32
576.8	397.3	VEV7200/15-85	VEV7200/18-85	7246	7188	237	4.00	4.80	8.50	8.70	Δ	7	7.1	M32
718	498.8	VEV9000/15-85	VEV9000/18-85	9020	9023	252	7.35	8.50	13.40	13.60	Δ	7.2	7.2	M32
580	406.0	VEV7200/15-86	VEV7200/18-86	7286	7345	237	6.00	6.50	11.00	11.32	Δ	4.7	4.5	M32
725	507.0	VEV9000/15-86	VEV9000/18-86	9106	9172	252	6.00	6.50	11.00	11.32	Δ	4.7	4.5	M32
800.1	588.3	VEV10000/15-90	VEV10000/18-90	10052	10643	300	5.40	7.00	13.00	13.20	Δ	6.7	6.6	M32
835.7	581.3	VEV10000/15-91	VEVl0000/18-91	10499	10517	300	7.00	8.20	13.10	13.10	Δ	7.2	7.7	M32
939	655	VEV11500/15-100	VEVl1500/18-100	11779	11853	445	9.00	10.00	15.50	15.80	Δ	7	7.0	M32
1142	838	VEV14500/15-100	VEV14500/18-100	14352	15153	460	11.00	13.00	18.50	18.90	Δ	8	8	M32

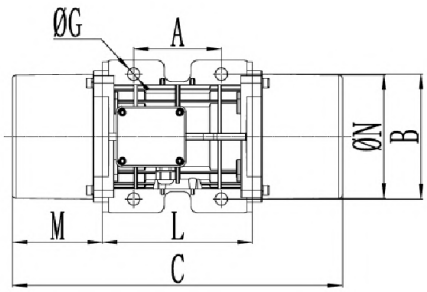
Mounting data for VEV 4 Poles 1500/1800 RPM





Frame 40

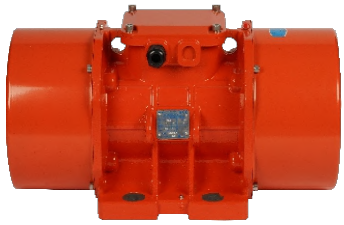




Frame 50

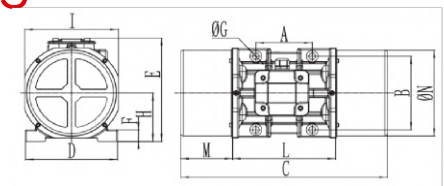
Model		A	B	ΦG	C	M	D	E	F	H	I	L	N	Holes	Size
50Hz	60Hz				50Hz-60Hz	50Hz-60Hz								n°	
VEV40/15-10	VEV40/18-10	Multiple Footprint			213	45	130	135	12	50	96	107	85	4	10
		62-74	106	10											
		33	83-102	10											
VEV90/15-20	VEV90/18-20	62-74	106	9	233	54	130	154	15	65	125	120	112	4	20
VEV100/15-20	VEV100/18-20	62-74	106	9	233	54	131	154	15	65	125	120	112	4	20
VEV200/15-30	VEV200/18-30	Multiple Footprint			276	58	155	173	19	79	140	160	131	4	30
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											
VEV300/15-30	VEV300/18-30	Multiple Footprint			300	70	155	173	19	79	140	160	131	4	50
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											
VEV400/15-40	VEV400/18-40	105	140	13	334	78	168	196	22	92	174	178	160	4	40
VEV500/15-40	VEV500/18-40	105	140	13	334	78	168	196	22	92	174	178	160	4	40
VEV700/15-50	VEV700/18-50	120	170	17	391	93	208	210	22	96	185	205	170	4	50
VEV800/15-50	VEV800/18-50	120	170	17	391	93	208	210	22	96	185	205	170	4	50
VEV950/15-50	VEV950/18-50	120	170	17	451	123	208	210	22	96	185	205	170	4	50
VEV1100/15-50	VEV1100/18-50	120	170	17	451	123	208	210	22	96	185	205	170	4	50
VEV1400/15-60	VEV1400/18-60	140	190	17	460	102	230	260	30	124	240	256	222	4	60
VEV1700/15-60	VEV1700/18-60	140	190	17	460	102	230	260	30	124	240	256	222	4	60
VEV2400/15-60	VEV2400/18-60	140	190	17	514	129	230	260	30	124	240	256	222	4	60
VEV2500/15-70	VEV2500/18-70	155	225	22	501	114	275	290	40	140	256	273	236	4	70
VEV3000/15-70	VEV3000/18-70	155	225	22	553	140	275	290	40	140	256	273	236	4	70
VEV3800/15-75	VEV3800/18-75	155	255		588	140	304	314	45	147	285	308	265	4	75
VEV4300/15-75	VEV4300/18-75	155	255		588	140	304	314	45	147	285	308	265	4	75
VEV5500/15-80	VEV5500/18-80	180	280	26	603	130	332	360	37	167	345	343	310	4	80
VEV7200/15-85	VEV7200/18-85	200	320	28	611	122	385	402	40	203	394	367	378	4	85
VEV9000/15-85	VEV9000/18-85	200	320	28	611	122	385	402	40	203	394	367	378	4	85
VEV7200/15-86	VEV7200/18-86	200	320	28	611	122	385	402	40	203	394	367	378	4	86
VEV9000/15-86	VEV9000/18-86	200	320	28	611	122	385	402	40	203	394	367	378	4	86
VEV10000/15-90	VEV10000/18-90	125	380	39	728	170	452	415	40	205	394	388	378	6	90
VEV10000/15-91	VEV10000/18-91	125	380	39	728	170	452	415	40	205	394	388	378	6	91
VEV1500/15-100	VEV11500/18-100	140	440	45	890	210	530	484	37	232	446	470	424	6	100
VEV14500/15-100	VEV14500/18-100	140	440	45	890	210	530	484	37	232	446	470	424	6	100

Technical data for VEV 6 Poles 1000/1200 RPM

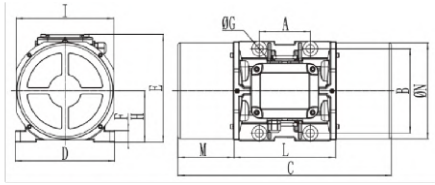


Wm (kgcm)		Model		Centrifugal Force (Kg)		Weight	Input Power (kW)		Standard Nominal Current(A)		Terminal Connection	Ia/In		Cable Gland
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50Hz-60Hz	50 Hz	60 Hz	50 Hz (400V)	60 Hz (460V)		50 Hz	60 Hz	Metric
9.5	6.6	VEV50/1-30	VEV50/12-30	53	53	10	0.12	0.14	0.3	0.4	Y	2.2	2.2	M20
18.8	13.2	VEV100/1-30	VEV100/12-30	105	106	11	0.12	0.14	0.3	0.4	Y	2.2	2.2	M20
33.5	23.4	VEV200/1-40	VEV200/12-40	187	188	19	0.15	0.18	0.65	0.68	Y	2.2	2.2	M20
56.9	39.9	VEV300/1-50	VEV300/12-50	318	320	26	0.25	0.3	0.67	0.7	Y	2.7	2.7	M20
91.9	64.3	VEV500/1-50	VEV500/12-50	513	517	34	0.55	0.4	1.22	1.32	Y	3	2.9	M20
137.4	108.6	VEV800/1-60	VEV800/12-60	767	873	60	0.75	0.8	1.42	1.52	Y	3.4	3.3	M25
187.7	137.3	VEV1100/1-60	VEV1100/12-60	1048	1104	78	0.75	0.8	1.42	1.52	Y	3.4	3.3	M25
284.8	196.5	VEV1500/1-60	VEV1500/12-60	1590	1580	84	0.9	1.08	1.8	2.00	Y	3.5	3.5	M25
288.0	201.0	VEV1600/1-60	VEV1600/12-60	1601	1598	88	0.9	1.08	2.2	2.30	Y	3.7	3.6	M25
299.6	203.5	VEV1620/1-70	VEV1620/12-70	1673	1636	90	0.9	1.08	2.4	2.50	Y	3.9	3.8	M25
373.1	248.7	VEV2100/1-70	VEV2100/12-70	2083	2000	105	1.5	1.8	3	3.20	Y	4.5	4.6	M25
467.4	306.7	VEV2600/1-75	VEV2600/12-75	2610	2466	146.5	1.96	2.1	4.1	4.30	Y	5	5	M32
540.3	379.7	VEV3000/1-75	VEV3000/12-75	3017	3053	155	2.2	2.4	4.5	4.63	Y	5.2	5.2	M32
702.5	465.6	VEV3700/1-75	VEV3700/12-75	3797	3744	159	2.2	2.4	4.5	4.60	Y	5.2	5.2	M32
680.4	437.4	VEV3800/1-80	VEV3800/12-80	3799	3517	216	2.5	3	5.5	5.60	Y	6.1	6.2	M32
838.3	584.2	VEV4700/1-80	VEV4700/12-80	4681	4697	220	3.2	3.9	6.5	6.65	Y	5.7	5.9	M32
936.4	/	VEV5200/1-80	/	5228	/	236	3.2	/	6.5	/	Y	5.7	/	M32
929.9	654.6	VEV5200/1-85	VEV5200/12-85	5192	5263	264	3.8	4	6.92	6.98	△	5.7	5.7	M32
1165.2	824	VEV6500/1-85	VEV6500/12-85	6506	6625	288	4.3	5	7.76	7.86	△	6.4	6.2	M32
1436	929.8	VEV8000/1-85	VEV8000/12-85	8018	7476	309	5.5	6	12.6	13.00	△	6.2	6.4	M32
1598	1165.2	VEV9000/1-85	VEV9000/12-85	9098	9000	333	5.8	6.2	9	10.00	△	6	6.2	M32
1600	1165.2	VEV8000/1-86	VEV8000/12-86	8007	7476	309	4.6	5.5	9	10.00	△	6.5	6.4	M32
1434	929.8	VEV9000/1-86	VEV9000/12-86	8936	9369	322	6.2	7.45	13.2	13.38	△	6	6.2	M32
1788.4	1240	VEV10000/1-90	VEV10000/12-90	9986	9970	374	6.1	6.4	14	14.50	△	6.6	6.6	M32
2329.8	1647.4	VEV13000/1-90	VEV13000/12-90	13009	13246	411	7.5	8.3	16.4	17.00	△	6.4	6.5	M32
1802.9	1240.0	VEV10000/1-91	VEV10000/12-91	10067	9970	373	6.4	7.7	13	13.56	△	6	6	M32
2056.9	1433.0	VEV11400/1-91	VEV11400/12-91	11485	11522	404	6.4	7.7	13	13.56	△	6	6	M32
2311	1647.4	VEV13000/1-91	VEV13000/12-91	12904	13246	411	8	8.9	17.2	17.89	△	5.6	6.3	M32
2253	1550.0	VEV12000/1-100	VEV12000/12-100	12580	12466	522	8	9.5	15	15.00	△	5	5.5	M32
2634	1856	VEV15000/1-105	VEV15000/12-105	14706	14923	672	10.1	12	18	18.00	△	5.8	5.8	M32
3220	2147	VEV17500/1-105	VEV17500/12-105	17980	17264	744	11.9	14.2	21	21.00	△	5.6	5.9	M32
3632	2525	VEV19500/1-105	VEV19500/12-105	20285	20299	768	12	14.5	24	24.00	△	5.4	5.6	M32
4067	2622	VEV22000/1-110	VEV22000/12-110	22711	21079	916	13.9	17	28	28.00	△	4.8	5.3	M32
4572	3163	VEV25000/1-110	VEV25000/12-110	25532	25432	994	13.9	17	28	28.00	△	4.8	5.3	M32

Mounting data for VEV 6 Poles 1000/1200 RPM



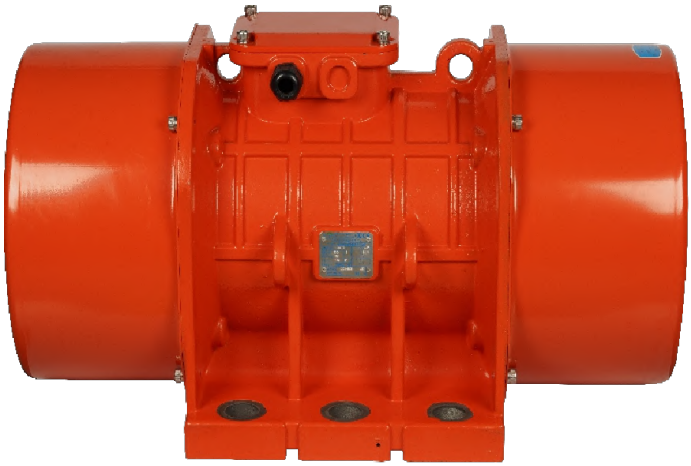
Frame 60/70

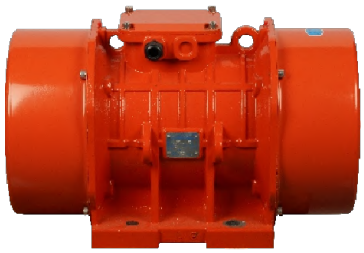


Frame 75/80/85

Model					C	M								Holes	
50Hz	60Hz	A	B	ΦG	50Hz-60Hz	50Hz-60Hz	D	E	F	H	I	L	N	n°	Size
VEV50/1-30	VEV50/12-30	Multiple Footprint 80 90 124 135	110 125 110 115	11 13 11 12	279	58	155	173	19	79	150	160	134	4	30
VEV1001-30	VEV100/12-30	Multiple Footprint 80 90 124 135	110 125 110 115	11 13 11 12	300	70	155	173	19	79	150	160	134	4	30
VEV200/1-40	VEV200/12-40	105	140	13	334	78	168	196	22	92	174	178	160	4	40
VEV300/1-50	VEV300/12-50	120	170	17	391	93	208	210	22	96	185	205	170	4	50
VEV500/1-50	VEV500/12-50	120	170	17	451	123	208	210	22	96	185	205	170	4	50
VEV800/1-60	VEV800/12-60	140	190	17	460	102	229	260	30	124	240	256	222	4	60
VEV1100/1-60	VEV1100/12-60	140	190	17	514	129	229	260	30	124	240	256	222	4	60
VEV1500/1-60	VEV1500/12-60	140	190	17	580	162	229	260	30	124	240	256	222	4	60
VEV1600/1-60	VEV1600/12-60	140	190	17	580	162	229	260	30	124	240	256	222	4	60
VEV1620/1-70	VEV1620/12-70	155	225	22	553	140	272	290	40	140	256	273	236	4	70
VEV2100/1-70	VEV2100/12-70	155	225	22	613	170	272	290	40	140	256	273	236	4	70
VEV2600/1-75	VEV2600/12-75	155	255		648	170	302	314	35	147	285	308	265	4	75
VEV3000/1-75	VEV3000/12-75	155	255		648	170	302	314	35	147	285	308	265	4	75
VEV3700/1-75	VEV3700/12-75	155	255		648	170	302	314	35	147	285	308	265	4	75
VEV3800/1-80	VEV3800/12-80	180	280	26	683	170	332	354	37	170	330	343	311	4	80
VEV4700/1-80	VEV4700/12-80	180	280	26	733	195	332	354	37	170	330	343	311	4	80
VEV5200/1-80	/	180	280	26	733	195	332	354	37	170	330	343	311	4	80
VEV5200/1-85	VEV5200/12-85	200	320	28	691	162	387	402	40	203	394	367	378	4	85
VEV6500/1-85	VEV6500/12-85	200	320	28	691	162	387	402	40	203	394	367	378	4	85
VEV8000/1-85	VEV8000/12-85	200	320	28	791	212	387	402	40	203	394	367	378	4	85
VEV9000/1-85	VEV9000/12-85	200	320	28	791	212	387	402	40	203	394	367	378	4	85
VEV8000/1-86	VEV8000/12-86	200	320	28	791	212	387	402	40	203	394	367	378	4	86
VEV9000/1-86	VEV9000/12-86	200	320	28	791	212	387	402	40	203	394	367	378	4	86
VEV10000/1-90	VEV10000/12-90	125	380	39	908	260	452	415	40	205	394	388	378	6	90
VEV13000/1-90	VEV13000/12-90	125	380	39	948	280	452	415	40	205	394	388	378	6	90
VEV10000/1-91	VEV10000/12-91	125	380	39	948	280	452	415	40	205	394	388	378	6	91
VEV11400/1-91	VEV11400/12-91	125	380	39	948	280	452	415	40	205	394	388	378	6	91
VEV13000/1-91	VEV13000/12-91	125	380	39	948	280	452	415	40	205	394	388	378	6	91
VEV12000/1-100	VEV12000/12-100	140	440	45	1020	275	530	484	37	232	446	470	424	6	100
VEV15000/1-105	VEV15000/12-105	140	480	45	980	210	570	542	48	268	510	560	490	8	105
VEV17500/1-105	VEV17500/12-105	140	480	45	1060	250	570	542	48	268	510	560	490	8	105
VEV19500/1-105	VEV19500/12-105	140	480	45	1060	250	570	542	48	268	510	560	490	8	105
VEV22000/1-110	VEV22000/12-110	140	520	45	1130	285	610	594	42	297	560	560	530	8	110
VEV25000/1-110	VEV25000/12-110	140	520	45	1130	285	610	594	42	297	560	560	530	8	110

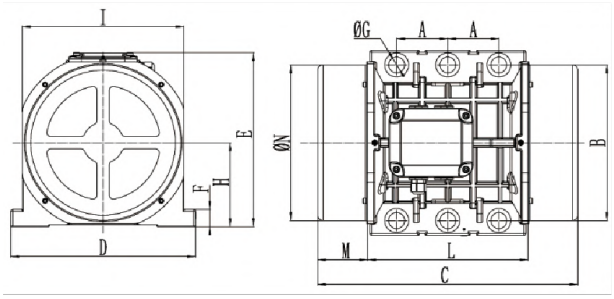
Technical data for VEV 8 Poles 750/900 RPM



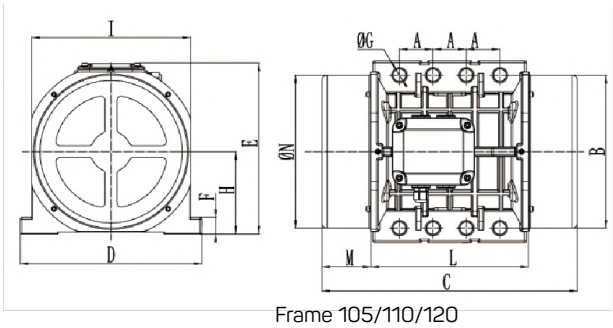


Wm (kgcm)		Model		Centrifugal Force (Kg)		Weight	Input Power (kW)		Standard Nominal Current(A)		Terminal Connection	Ia/In		Cable Gland
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50Hz-60Hz	50 Hz	60 Hz	50 Hz (400V)	60 Hz (460V)		50 Hz	60 Hz	Metric
33.4		VEV150/075-40	VEV150/090-40	105	151	21	0.23	0.25	1.14	1.14	Y	1.7	1.7	M20
56.9		VEV250/075-50	VEV250/090-50	179	257	29	0.25	0.3	0.9	0.91	Y	1.9	1.9	M20
84.0		VEV400/075-50	VEV400/090-50	264	380	34	0.25	0.3	0.9	0.91	Y	2.1	2.1	M20
137.3		VEV650/075-60	VEV650/090-60	431	621	63	0.37	0.45	1.2	1.2	Y	2.4	2.4	M25
187.7		VEV900/075-60	VEV900/090-60	589	849	70	0.55	0.54	1.23	1.29	Y	2.7	2.7	M25
299.6		VEV1300/075-70	VEV1300/090-70	941	1355	90	0.75	0.9	2.2	2.2	Y	3.2	3.2	M25
467.4		VEV2100/075-75	VEV2100/090-75	1468	2114	150	1	1.2	2.81	2.89	Y	4.4	4.3	M32
680.3		VEV3100/075/80	VEV3100/090-80	2137	3077	201	2	2.3	4.5	4.55	Y	4.2	4.2	M32
838.4		VEV3800/075/85	VEV3800/090-80	2633	3792	219	2.5	3	6	6.00	Y	4.1	4.2	M32
929.7		VEV4200/075/85	VEV4200/090-85	2920	4720	268	2.9	3.4	6.5	6.50	Δ	4	3.9	M32
1165.2		VEV5300/075/85	VEV5300/090-85	3660	5270	289	3.7	4.3	8	8.20	Δ	4	4.4	M32
1435.9		VEV6500/075/85	VEV6500/090-85	4510	6494	308	3.8	4.2	8.78	8.90	Δ	3.8	4.2	M32
2200.4		VEV10000/075/90	VEV10000/090-90	6911	9952	422	6.8	7.5	13.5	13.63	Δ	3.7	4.4	M32
2311.0		VEV10000/075/91	VEV10000/090-91	7258	10452	422	6	7	14.4	14.58	Δ	4.7	4.7	M32
2835	2553	VEV12000/075-100	VEV12000/090-100	8904	11546	571	7.5	8	13.5	13.50	Δ	3.8	4	M32
3713	3220	VEV14000/075-105	VEV14000/090-105	11661	14563	751	9	10.6	19	19.00	Δ	4.5	5	M32
4401	3920	VEV17000/075-105	VEV17000/090-105	13822	17729	812	9.1	11	20	20.00	Δ	5.3	5.8	M32
5857	4999	VEV22000/075-110	VEV22000/090-110	18395	22610	982	13.8	16.5	28	28.00	Δ	5.6	5.2	M32
6662	5857	VEV26000/075-110	VEV26000/090-110	20924	26489	1016	13.8	16.5	28	28.00	Δ	5.6	5.2	M32

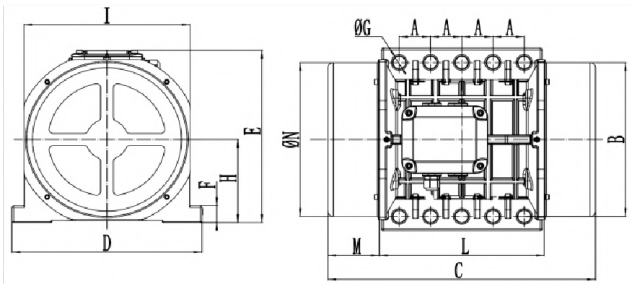
Mounting data for VEV 8 Poles 750/900 RPM



Frame 90/100



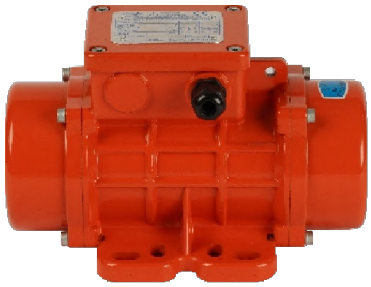
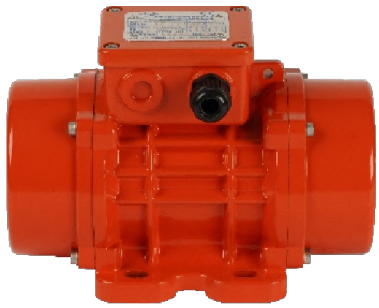
Frame 105/110/120



Frame 130

Model					C	M								Holes	
50Hz	60Hz	A	B	ΦG	50Hz-60Hz	50Hz-60Hz	D	E	F	H	I	L	N	n°	Size
VEV150/075-40	VEV150/090-40	105	140	13	334	78	170	196	22	92	174	178	160	4	40
VEV250/075-50	VEV250/090-50	120	170	17	391	93	208	210	22	96	185	205	170	4	50
VEV400/075-50	VEV400/090-50	120	170	17	451	123	208	210	22	94	180	205	170	4	50
VEV650/075-60	VEV650/090-60	140	190	17	460	102	229	260	30	124	240	256	222	4	60
VEV900/075-60	VEV900/090-60	140	190	17	514	129	229	260	30	124	240	256	222	4	60
VEV1300/075-70	VEV1300/090-70	155	225	22	553	140	272	290	40	140	256	273	236	4	70
VEV2100/075-75	VEV-2100/090-75	155	255		648	170	302	314	35	147	285	308	265	4	75
VEV3100/075-80	VEV3100/090-80	180	280	26	683	170	332	354	37	170	330	343	311	4	80
VEV3800/075-80	VEV3800/090-80	180	280	26	733	195	332	354	37	170	330	343	311	4	80
VEV4200/075-85	VEV4200/090-85	200	320	28	691	162	387	402	40	203	394	367	378	4	85
VEV5300/075-85	VEV5300/090-85	200	320	28	691	162	387	402	40	203	394	367	378	4	85
VEV6500/075-85	VEEV6500/090-85	200	320	28	791	212	387	402	40	203	394	367	378	4	85
VEV10000/075-90	VEV10000/090-90	125	380	39	948	280	452	415	40	205	394	388	378	6	90
VEV10000/075-91	VEV10000/090-91	125	380	39	948	280	452	415	40	205	394	388	378	6	91
VEV12000/075-100	VEV12000/90-100	140	440	45	1020	275	530	484	37	232	446	470	424	6	100
VEV14000/075-105	VEV14000/090-105	140	480	45	1060	250	570	542	48	268	510	560	490	8	105
VEV17000/075-105	VEV17000/090-105	140	480	45	1120	280	570	542	48	268	510	560	490	8	105
VEV22000/075-110	VEV22000/090-110	140	520	45	1130	285	610	594	42	297	560	560	530	8	110
VEV26000/075-110	VEV26000/090-110	140	520	45	1130	285	610	594	42	297	560	560	530	8	110

Technical data for VEV Single phase 2 Poles 3000/3600 RPM

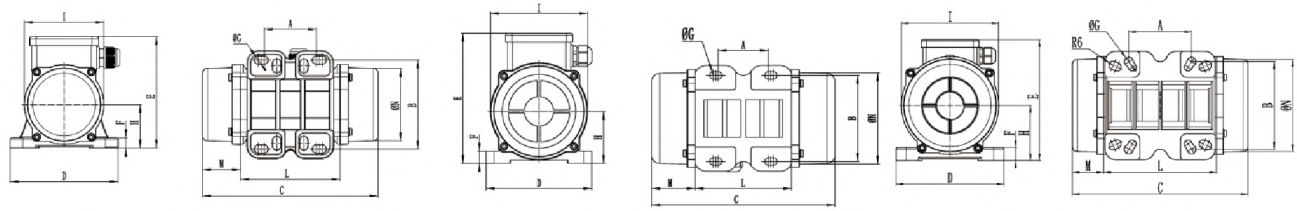




Wm (kgcm)		Model		Centrifugal Force (Kg)		Weight	Input Power (kW)		Standard Nominal Current(A)		Cable Gland	Capacitor	
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50Hz-60Hz	50 Hz	60 Hz	50 Hz (400V)	60 Hz (460V)	Metric	50 Hz (230V)	60 Hz (115V)
1.3	1.0	VEV60/3M-10	VEV60/36M-10	66	71	4	0.08	0.09	0.43	1.03	M16	4	6
2.0	1.3	VEV100/3M-10	VEV100/36M-10	98	95	5	0.1	0.11	0.54	1.30	M16	4	6
3.7	2.6	VEV200/3M-20	VEV200/36M-20	187	189	7	0.18	0.21	1.14	2.62	M20	8	6
3.7	2.6	VEV200/3M-23	VEV200/36M-23	187	189	7	0.18	0.21	1.14	2.62	M20	8	6
6.4	4.5	VEV300/3M-30	VEV300/36M-30	321	323	13	0.27	0.28	1.58	3.43	M20	10	15
6.6	4.7	VEV400/3M-30	VEV400/36M-30	400	403	13	0.3	0.32	1.68	1.76	M20	10	15

Technical data for VEV Single phase 220V 4 Poles

Model	Force		Speed	Power (kW)		Current	Weight	Frame No.
	Kg	kN	RPM	KW		A	kg	
VEV40/15M-10	32	0.3	1450	0.05	0.23	0.23	4.6	10
VEV90/15M-20	90	0.9	1450	0.11	0.6	0.6	7.2	20
VEV200/15M-30	183	2	1480	0.2	1.0	1.0	11.8	30
VEV250/15M-30	257	2.5	1480	0.32	1.4	4.24	13.1	30
VEV300/15M-30	305	3	1480	0.37	1.7	7.24	13.6	30

Mounting data for VEV Single phase 2 Poles 3000/3600 RPM



Frame 10 | Frame 20 | Frame 30

Model					C	M								Holes	
50Hz	60Hz	A	B	ΦG	50Hz-60Hz	50Hz-60Hz	D	E	F	H	I	L	N	n°	Size
VEV60/3M-10	VEV60/36M-10	Multiple Footprint			213	45	130	135	11	50	96	107	85	4	10
		62-74	106	10											
		33	83-102	10											
VEV100/3M-10	VEV100/36M-10	Multiple Footprint			213	45	130	135	11	50	96	107	85	4	20
		62-74	106	10											
		33	83-102	10											
VEV200/3M-20	VEV200/36M-20	62-74	106	9	233	54	131	154	15	65	125	120	112	4	20
VEV200/3M-23	VEV200/36M-23	Multiple Footprint			217	50	165	141	25	82	116	160	120	4	23
		62-74	106	11											
		65	140	14.5											
		115.5	135	11											
		134.5	115	11											
VEV300/3M-30	VEV300/36M-30	Multiple Footprint			250	45	155	173	19	79	150	160	132	4	30
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											
VEV400/3M-30	VEV400/36M-30	Multiple Footprint			276	58	155	173	19	79	142	160	132	4	30
		80	110	11											
		90	125	13											
		124	110	11											
		135	115	12											

Technical data for VEV Single phase 220 V 4 Poles

Model	Installation dimensions (mm)												Cable gland
	A	B	C	D	E	F	G	H	I	L	M	N	
VEV40/15M-10	70	106	210	130	136	12	10	52,5	96	120	45	86	M16*1.5
VEV90/15M-20	68	106	227	131	159	15	9	64	121	119	54	112	M20*1.5
VEV200/15M-30	90	125	276	155	173	19	13	79	140	160	58	132	M20*1.5
VEV250/15M-30	90	125	276	155	173	19	13	79	140	160	58	132	M20*1.5
VEV300/15M-30	90	125	300	155	173	19	13	79	140	160	70	132	M20*1.5

Mounting

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

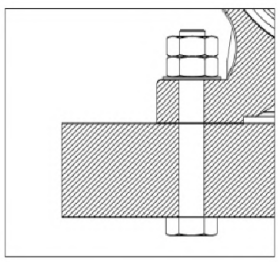
Use 8.8 type bolts, 8.0 type units and flat washers that belongs to category A EN ISO7089/7092.

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

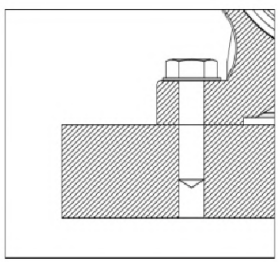
Motor/Machine interface

Screw		Washer		Clamping torque	
Metric	Imperial	Metric	Imperial	(N.m)	(ft-lb)
M8	1/4"	6.4x12	1/4"	6.5	9
M8	5/16"	8.4x16	5/16"	23	16.5
M10	3/8"	10.5x20	3/8"	45	33
M12	1/2"	13.24	1/2"	80	58
M16	5/8"	17x30	5/8"	185	137
M20	13/16"	21x37	13/16"	373	275
M22	7/8"	23x29	7/8"	550	411
M24	15/16"	25x44	15/16"	696	513
M27	1"	28x50	1"	873	645
M36	1-3/8"	37x66	1-3/8"	1,864	1,370

Fixing

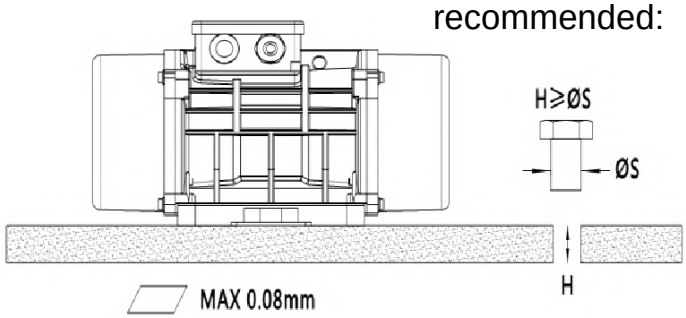


Smooth through hole
+screw+flat washer
+nur and counternut



Tapped threaded hole
+screw+flat washer

Plate thickness recommended:

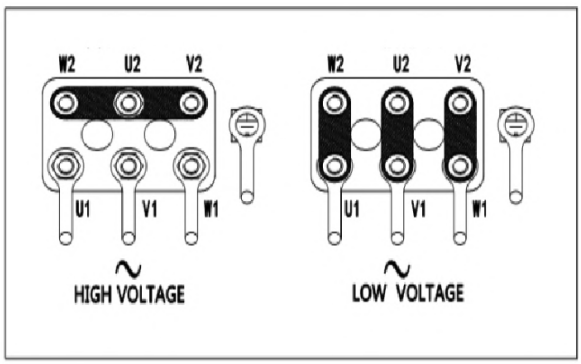


Electrical connection

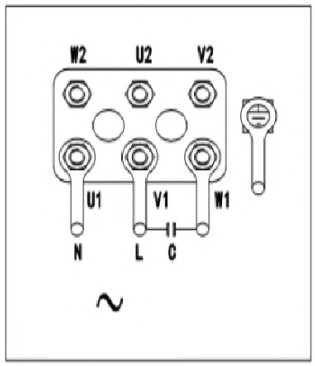
Make sure the voltage and frequency supply match the ones indicated on the rating plate of the electric vibrator motor. Insert the power cable through the cable gland, use only conductors that have a suitable cross-section. Tighten them with the specified torque.

Do not forget to fix the earthing cable to the provided studs (compulsory connestion)!

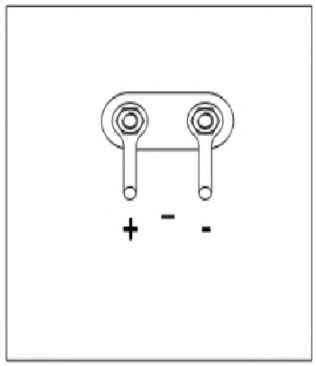
Terminal connections



Three-phase



Single-phase



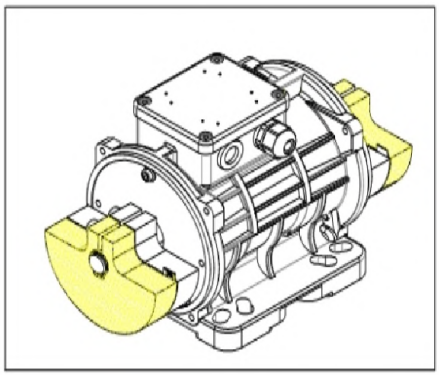
DC

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

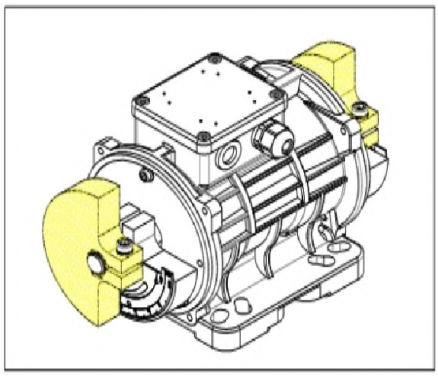
Overload protection

All electric vibrators MUST be connected to a suitable external overload protection, when using two electric to an external overload protector and these overload protectors must be interlocked.

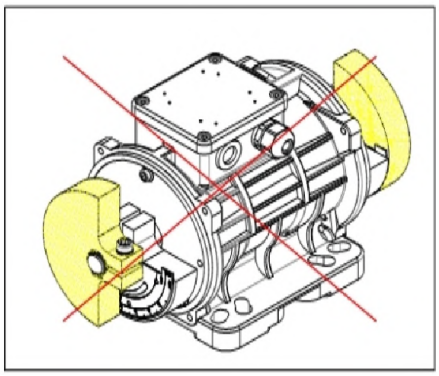
Adjustable masses - Type A



Masses at 100%

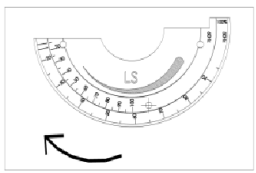


Adjusted masses

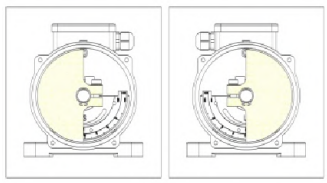


Wrong adjusted masses

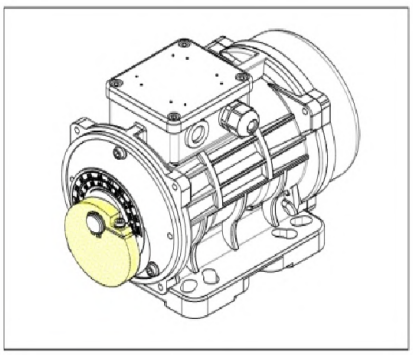
According to the mass adjust the required exciting force:



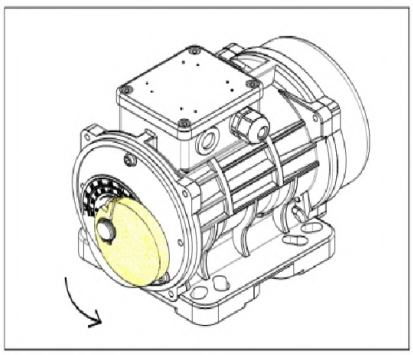
Rotate the masses in the opposite direction to the cable:



Adjustable masses - Type B

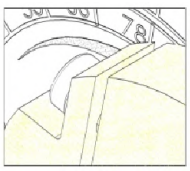


Masses at 100%

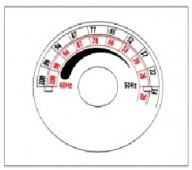


Adjusted masses

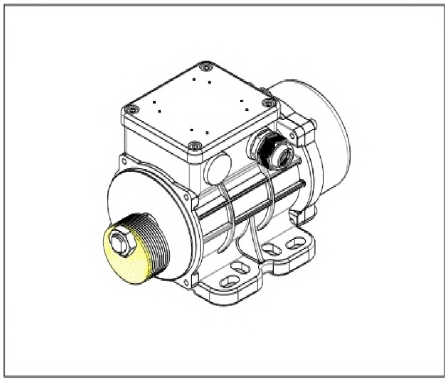
The fissure in the mass indicates the degree of adjustment



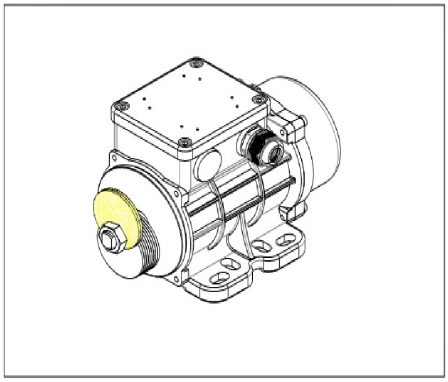
Rotate the mass following the design on the plate: from the thicker tip towards the thin tip.



Adjustable masses - Type C (blade masses)



Masses at 100%



Adjusted masses

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

Warning: DO NOT grease new motors before installation

Motors with roller bearings already come from the factory filled with the right quantity of Grease while those with ball bearing do