

MVE-D

» II 2GD Ex d IIB T4 Ex tD A21 IP66 T135°C
 » Ex d IIB T4 Gb
 » Ex tD A21 IIIC T135°C Db IP66
 » Class I Div.1 groups C, D Class II Div.1 groups E, F, G T4 IP66

MVE-D5

» II 2G Ex d IIB T3
 » Ex d IIB T3 Gb
 » Class I Div.1 groups C, D T3



MVE-D EXPLOSION-PROOF



Available from:
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 www.filquip.com.au

2 POLES - 3000/3600 rpm

Wm (kgcm)		Model		Centrifugal Force (kg)		Weight (kg)	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
15.68	11.06	MVE 800/3D	MVE 800/36D	794	800	29.0	
26.58	18.60	MVE 1300/3D	MVE 1300/36D	1355	1365	30.4	
31.26	22.22	MVE 1600/3D	MVE 1600/36D	1601	1608	60.0	59.6
36.78	27.60	MVE 2000/3D	MVE 2000/36D	2027	1997	61.2	60.4
45.97	31.87	MVE 2300/3D	MVE 2300/36D	2302	2306	62.0	60.0
68.10	43.89	MVE 3200/3D	MVE 3200/36D	3252	3176	111.4	109.8
79.40	55.99	MVE 4000/3D	MVE 4000/36D	4033	4052	115.4	111.4

ELECTRICAL SPECIFICATIONS							
Input Power (kW)		Nominal Current A max. (Y)		Ia / In		Cable Gland	
50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metric	
0.75	0.90	1.45	1.50	3.80	3.80	M20	
1.30	1.38	2.44	2.25	5.20	5.00	M20	
1.57	1.60	2.94	2.61	5.90	6.20	M25	
2.00	2.10	3.75	3.42	6.50	6.40	M25	
2.40	2.45	4.44	3.94	6.00	6.30	M25	
2.90	2.90	5.30	4.61	8.30	8.20	M32	
2.90	2.90	5.30	4.61	8.5	9.7	M32	

4 POLES - 1500/1800 rpm

Wm (kgcm)		Model		Centrifugal Force (kg)		Weight (kg)	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
56.83	39.36	MVE 700/15D	MVE 700/18D	714	712	35.8	
88.67	56.83	MVE 1100/15D	MVE 1100/18D	1114	1028	44.2	39.2
108.57	76.72	MVE 1400/15D	MVE 1400/18D	1364	1388	68.2	66.6
137.31	91.98	MVE 1700/15D	MVE 1700/18D	1725	1664	70.2	67.8
187.69	137.36	MVE 2400/15D	MVE 2400/18D	2358	2485	76.4	70.4
203.53	135.65	MVE 2500/15D	MVE 2500/18D	2557	2454	98.4	92.4
248.66	169.75	MVE 3000/15D	MVE 3000/18D	3124	3071	105.9	95.4
306.69	204.74	MVE 3800/15D	MVE 3800/18D	3853	3704	138.4	126.8
306.69	204.74	MVE 3810/15D	MVE 3810/18D	3853	3704	140.5	128.9
193.00	193.00	MVE 3811/15D	MVE 3811/18D	2425	3492	128.6	128.6
343.22	240.95	MVE 4300/15D	MVE 4300/18D	4312	4359	142.8	132.0
437.39	303.74	MVE 5500/15D	MVE 5500/18D	5495	5495	200.6	198.4

ELECTRICAL SPECIFICATIONS							
Input Power (kW)		Nominal Current A max. (Y)		Ia / In		Cable Gland	
50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metric	
0.62	0.73	1.32	1.41	3.00	3.20	3/4" NPT	
0.65	0.78	1.50	1.70	3.80	3.80		
0.90	1.10	1.71	1.78	4.00	4.00		
1.15	1.30	2.16	2.09	4.70	4.50		
1.60	1.90	3.00	3.20	4.90	4.90		
1.80	2.00	3.40	3.40	6.00	6.10		
1.90	2.30	3.70	3.80	6.50	6.60		
2.20	2.60	4.12	4.15	6.80	6.80		
2.20	2.60	4.12	4.15	6.80	6.80		
2.20	2.60	4.12	4.15	6.80	6.80		
2.50	3.00	5.70	5.80	7.00	7.20		
3.60	3.45	6.50	6.60	7.10	7.00		

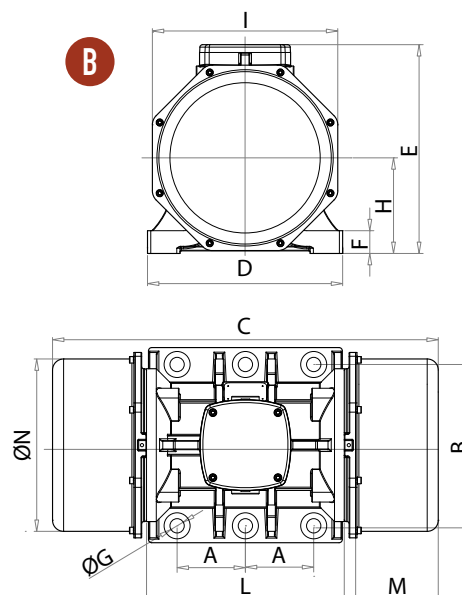
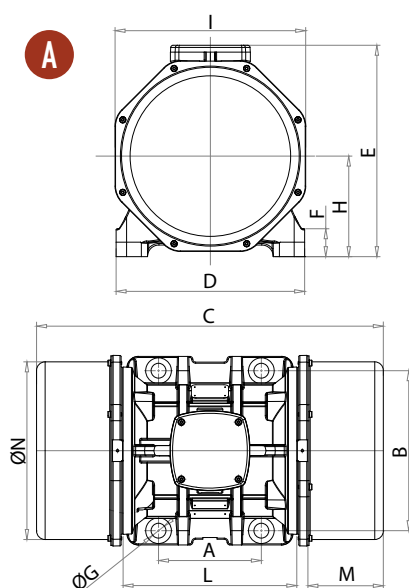


UP TO SIZE 50 (INCLUDED)
 60Hz masses = 50Hz masses adjusted at 70%
 Except for model MVE 1100/15D - 1100/18D



ABOVE SIZE 50 (NOT INCLUDED)
 Specific masses for 60Hz

To convert kg into Newton: **N = 9.81 · kg**



			DIMENSIONAL SPECIFICATIONS (mm)															
Model		Drawing	Size	C		M		A	B	Ø G	Holes	D	E	F	H	I	L	N
				50Hz	60Hz	50Hz	60Hz				N°							
50Hz	60Hz																	
MVE 800/3D	MVE 800/36D	A	50	335		65		120	170	17	4	209	240	27.5	103	195	205	166.5
MVE 1300/3D	MVE 1300/36D	A	50	335		65		120	170	17	4	209	240	27.5	103	195	205	166.5
MVE 1600/3D	MVE 1600/36D	A	60	478		105		140	190	17	4	234	267	31	124	238	234	222
MVE 2000/3D	MVE 2000/36D	A	60	478		105		140	190	17	4	234	267	31	124	238	234	222
MVE 2300/3D	MVE 2300/36D	A	63	478		105		140	190	22	4	234	267	31	124	238	234	222
MVE 3200/3D	MVE 3200/36D	A	75	569		115		155	255	23.5	4	300	321	35	147	285	298	265
MVE 4000/3D	MVE 4000/36D	A	75	569		115		155	255	23.5	4	300	321	35	147	285	298	265

			DIMENSIONAL SPECIFICATIONS (mm)															
Model		Drawing	Size	C		M		A	B	Ø G	Holes	D	E	F	H	I	L	N
				50Hz	60Hz	50Hz	60Hz				N°							
MVE 700/15D	MVE 700/18D			A	50	405		100		120	170	17	4	209	240	28	103	195
MVE 1100/15D	MVE 1100/18D	A	50	467	405	131	100	120	170	17	4	209	240	28	103	195	205	166.5
MVE 1400/15D	MVE 1400/18D	A	60	478		105		140	190	17	4	234	267	31	124	238	234	222
MVE 1700/15D	MVE 1700/18D	A	63	478		105		140	190	22	4	234	267	31	124	238	234	222
MVE 2400/15D	MVE 2400/18D	A	63	538		135		140	190	22	4	234	267	31	124	238	234	222
MVE 2500/15D	MVE 2500/18D	A	70	526		115		155	225	22	4	274	309	35	140	255	264	236
MVE 3000/15D	MVE 3000/18D	A	70	590		147		155	225	22	4	274	309	35	140	255	264	236
MVE 3800/15D	MVE 3800/18D	A	75	619		140		155	255	23.5	4	300	321	35	147	285	304	265
MVE 3810/15D	MVE 3810/18D	B	77	619		140		105	248	22	6	300	321	35	147	285	304	265
MVE 3811/15D	MVE 3811/18D	B	77	619		140		106	249	23	6	300	322	36	147	285	305	265
MVE 4300/15D	MVE 4300/18D	A	75	619		140		155	255	23.5	4	300	321	35	147	285	304	265
MVE 5500/15D	MVE 5500/18D	A	80	613		135		180	280	26	4	330	370	50	176	334	304	311

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

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HI-STROKE MILLING

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» II 2GD Ex d IIB T4 Ex tD A21 IP66 T135°C
 » Ex d IIB T4 Gb
 » Ex tD A21 IIIC T135°C Db IP66
 » Class I Div.1 groups C, D Class II Div.1 groups E, F, G T4 IP66

MVE-D5

» II 2G Ex d IIB T3
 » Ex d IIB T3 Gb
 » Class I Div.1 groups C, D T3



MVE-D EXPLOSION-PROOF



6 POLES - 1000/1200 rpm

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Wm (kgcm)		Model		Centrifugal Force (kg)		Weight (kg)		ELECTRICAL SPECIFICATIONS							
								Input Power (kW)		Nominal Current A max. (Y)		Ia / In		Cable Gland	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz		
91.88		MVE 500/1D	MVE 500/12D	513	739	34.0		0.35	0.40	1.20	1.15	2.80	2.70	3/4" NPT	
137	109	MVE 800/1D	MVE 800/12D	767	873	70.2		0.75	0.80	1.42	1.32	3.20	3.10		
188	137	MVE 1100/1D	MVE 1100/12D	1048	1104	87.8	81.4	0.75	0.80	1.42	1.32	3.20	3.10		
285	197	MVE 1500/1D	MVE 1500/12D	1590	1580	92.0	84.9	1.10	1.30	2.10	2.00	3.30	3.30		
300	203	MVE 1600/1D	MVE 1600/12D	1673	1636	108.4	97.4	1.10	1.30	2.83	3.22	3.70	3.60		
373	249	MVE 2100/1D	MVE 2100/12D	2083	2000	122.7	108.9	1.50	1.80	3.00	3.00	4.30	4.40		
467	307	MVE 2600/1D	MVE 2600/12D	2610	2466	157.0	139.9	1.96	2.10	3.63	3.38	4.80	4.80		
540	380	MVE 3000/1D	MVE 3000/12D	3017	3053	163.8	146.2	2.20	2.40	4.50	4.30	5.00	5.00		
680	437	MVE 3800/1D	MVE 3800/12D	3799	3517	224.0	203.2	2.50	3.00	4.67	4.88	5.90	6.00		
838	584	MVE 4700/1D	MVE 4700/12D	4681	4697	239.2	220.8	3.20	3.90	6.50	6.00	5.50	5.70		



UP TO SIZE 60 (INCLUDED)
 60Hz masses = 50Hz masses adjusted at 70%



ABOVE SIZE 60 (NOT INCLUDED)
 Specific masses for 60Hz
 Except for model MVE 1500/1D - 1500/12D

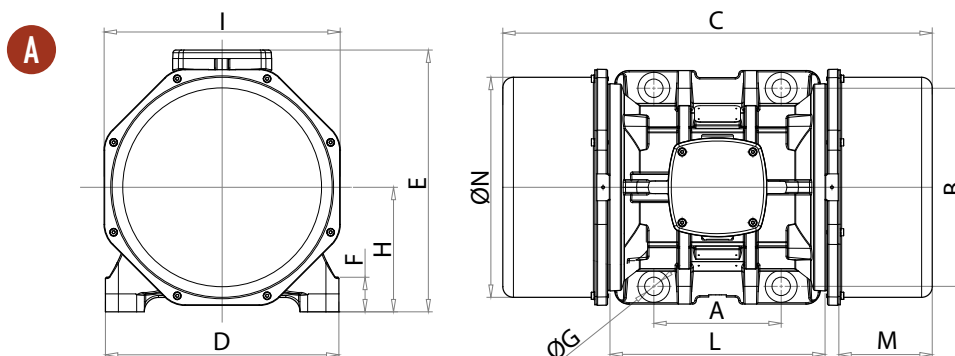
8 POLES - 750/900 rpm

Wm (kgcm)		Model		Centrifugal Force (kg)		Weight (kg)		ELECTRICAL SPECIFICATIONS							
								Input Power (kW)		Nominal Current A max. (Y)		Ia / In		Cable Gland	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz		
56.93		MVE 250/075D	MVE 250/090D	179	257	37.9		0.35	0.38	1.15	1.15	1.70	1.70	3/4" NPT	
84.02		MVE 400/075D	MVE 400/090D	264	380	43.4		0.35	0.38	1.15	1.15	1.90	1.90		
137.31		MVE 650/075D	MVE 650/090D	431	621	73.1		0.50	0.60	1.20	1.20	2.20	2.20		
187.72		MVE 900/075D	MVE 900/090D	589	849	79.4		0.65	0.78	1.23	1.29	2.50	2.50		
299.60		MVE 1300/075D	MVE 1300/090D	941	1355	108.2		1.00	1.10	1.86	1.83	3.00	3.00		
467.41		MVE 2100/075D	MVE 2100/090D	1468	2114	158.8		1.50	1.80	2.81	2.89	4.20	4.10		
680.34		MVE 3100/075D	MVE 3100/090D	2137	3077	220.6		2.00	2.30	3.79	3.77	4.00	4.00		
838.43		MVE 3800/075D	MVE 3800/090D	2633	3792	238.6		2.50	3.00	6.00	6.00	3.90	4.00		



60Hz masses = 50Hz masses adjusted at 100%

To convert kg into Newton: $N = 9.81 \cdot kg$



				DIMENSIONAL SPECIFICATIONS (mm)														
Model		Drawing	Size	C		M		A	B	Ø G	Holes	D	E	F	H	I	L	N
				50Hz	60Hz	50Hz	60Hz				N°							
MVE 500/1D	MVE 500/12D			A	50	467	131	120	170	17	4	209	240	28	103	195	205	166.5
MVE 800/1D	MVE 800/12D	A	60	478	105	140	190	17	4	234	267	31	124	238	234	222		
MVE 1100/1D	MVE 1100/12D	A	63	538	135	140	190	22	4	234	267	31	124	238	234	222		
MVE 1500/1D	MVE 1500/12D	A	60	598	165	140	190	17	4	234	267	31	124	238	234	222		
MVE 1600/1D	MVE 1600/12D	A	70	590	147	155	225	22	4	274	309	35	140	255	264	236		
MVE 2100/1D	MVE 2100/12D	A	70	650	177	155	225	22	4	274	309	35	140	255	264	236		
MVE 2600/1D	MVE 2600/12D	A	75	739	200	155	255	23.5	4	300	321	35	147	285	304	265		
MVE 3000/1D	MVE 3000/12D	A	75	739	200	155	255	23.5	4	300	321	35	147	285	304	265		
MVE 3800/1D	MVE 3800/12D	A	80	693	175	180	280	26	4	330	370	50	176	334	304	311		
MVE 4700/1D	MVE 4700/12D	A	80	753	205	180	280	26	4	330	370	50	176	334	304	311		

			DIMENSIONAL SPECIFICATIONS (mm)															
Model		Drawing	Size	C		M		A	B	Ø G	Holes	D	E	F	H	I	L	N
				50Hz	60Hz	50Hz	60Hz				N°							
50Hz	60Hz																	
MVE 250/075D	MVE 250/090D	A	50	405	100	120	170	17	4	209	240	28	103	195	205	166.5		
MVE 400/075D	MVE 400/090D	A	50	467	131	120	170	17	4	209	240	28	103	195	205	166.5		
MVE 650/075D	MVE 650/090D	A	60	478	105	140	190	17	4	234	267	31	124	238	234	222		
MVE 900/075D	MVE 900/090D	A	63	538	135	140	190	17	4	234	267	31	124	238	234	222		
MVE 1300/075D	MVE 1300/090D	A	70	590	147	155	225	22	4	274	309	35	140	255	264	236		
MVE 2100/075D	MVE 2100/090D	A	75	739	200	155	255	23.5	4	300	321	35	147	285	304	265		
MVE 3100/075D	MVE 3100/090D	A	80	693	175	180	280	26	4	330	370	50	176	334	304	311		
MVE 3800/075D	MVE 3800/090D	A	80	753	205	180	280	26	4	330	370	50	176	334	304	311		

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