Concrete Production

External Electric Vibrators MVE

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Description

The range of "MVE" External Electric Motovibrators is the result of 50 years of experience in vibrating technology for various industrial applications worldwide. OLI® External Electric Vibrators afford a guarantee of long-term durability reflecting the care taken over selection of components and the high level of precision adopted in manufacture.

Function

In Concrete Plants "MVE" External Electric Motovibrators are used for aiding aggregate flow from hoppers and silos, as well as microsilica from FIBC dischargers.

Application

"MVE" External Electric Motovibrators are used in Concrete Batching Plants where flow aids are required.
Typical applications are as discharge aids for aggregates and subsequent cleaning of the aggregate hoppers and silos.
Fitted on the hopper of and SBB-type FIBC Discharger, the MVE Electric Motovibrator ensures complete emptying of the microsilica bulk bag.

Benefits

- ✓ **Oversized SKF bearings;**
- ✓ **2-years-warranty including electric components;**
- ✓ **Ex-stock delivery;**
- ✓ **Certificates available: Ex/CE/ETL/GOST/Baseefa/IEC/IECEx.**

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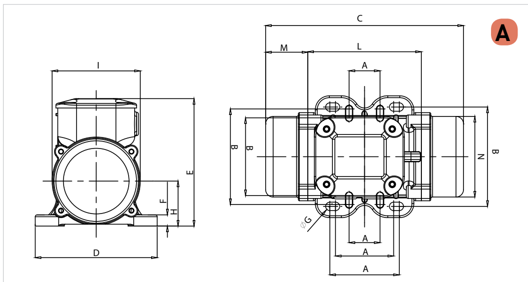
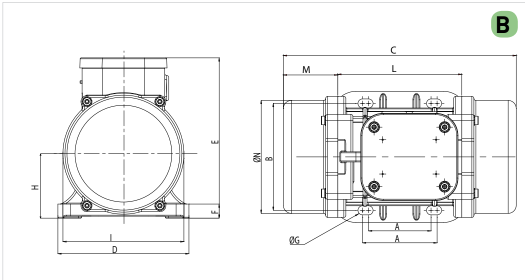
Technical Features / Performance

- Aluminium casing up to size 50 (included), cast iron from size 60
- SKF bearings
- Operating temperature: -20° C to 40° C (-4° F to 104° F)
- Multiple voltages: 220-240/380-415 V, 50 Hz
- 750 - 1,000 - 1,500 - 3,000 R.P.M. (900 – 1,200 – 1,800 – 3,000 R.P.M.)
- Multiple fixing bores
- Motor protection: IP 66-NEMA 4
- Continuous duty: S1
- Insulation class: F
- Standard: ATEX Ex II 3D CERTIFIED
- Standard: ETL (UL-CSA) Class II Div.2
- ATEX Exe II 2 GD increased safety range available
- Explosion-proof range available

Overall Dimensions





3 Phase		1 Phase	Overall dimension																												
			Drawing	Size	c		m		a		b		Ø g		N° Holes	d		e		f		h		i		l		n		Weight	
Type 50 / 60Hz	U.S. Market 60 Hz	Type 50 / 60 Hz			(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(Kg)	(Lb)
MVE 60/3	MVE 160/2	MVE 60/3M	A	10	211	8.31	45	1.77	62-74	2.44-2.91	106	4.17	9	0.35	4	130	5.12	136	5.35	12	0.47	48	1.89	94	3.70	121	4.76	85	3.35	4.2	9.3
MVE 100/3	MVE 220/2	MVE 100/3M							33	1.30	83-102	3.27-4.02	7	0.28																4.6	10.1
MVE 200/3	MVE 440/2	MVE 200/3M	B	20	231	9.09	54	2.13	62-74	2.44-2.91	106	4.17	9	0.35	4	131	5.16	159	6.26	15	0.59	64	2.52	121	4.76	123	4.84	112	4.41	7.0	15.4

MVE 3 Phase Series

3 Phase		Mechanical Features								Electric Features														
		Working moment (*)				FC				Power				Current		Power Factor		Ia/In		ClassII Div.2	II 2D	Cable Type		Cable Gland
		Kg*cm		in*Lb		Kg		Lb		Kw		Hp		A max (Y)								Type	U.S. Mar-ket	
														400V	460V					Temp. Class	Temp. Class			
Type 50 /60 Hz	U.S. Market 60 Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50 hz	60 hz	50 hz	60 hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	T	(°C)	Class Temp.	Type: AWG (SOW) Class Temp.	Class Temp.
MVE 60/3	MVE 160/2	1.3	0.9	1.1	0.9	66	71	145.5	156.5	0.08	0.09	0.11	0.12	0.16	0.18	0.74	0.82	3	3	T4	100	4G1.5 80°C	18-4c 90°C	M16 80°C
MVE 100/3	MVE 220/2	1.9	1.3	1.7	1.1	98	95	216	209.4	0.1	0.11	0.13	0.15	0.19	0.18	0.76	0.85	3	3					
MVE 200/3	MVE 440/2	3.7	2.6	3.2	2.3	187	189	412.3	416.7	0.18	0.21	0.24	0.28	0.35	0.35	0.78	0.87	3.3	3.30	T4	100	4G2.5 80°C	16-4c 90°C	M20 80°C
MVE 202/3	MVE 444/2	3.7	2.6	3.2	2.3	187	189	412.3	416.7	0.18	0.21	0.24	0.28	0.35	0.35	0.78	0.87	3.3	3.30	T4	100			
MVE 300/3	MVE 690/2	6.4	4.5	5.5	3.9	321	323	708	712.1	0.27	0.28	0.36	0.38	0.52	0.45	0.84	0.89	3.60	3.50	T4	100			
MVE 400/3	MVE 890/2	7.9	5.7	6.9	4.9	407	411	897	906.1	0.30	0.36	0.40	0.48	0.58	0.60	0.88	0.88	3.50	3.50	T4	100			
MVE 500/3	MVE 1200/2	10.3	7.4	8.9	6.4	530	534	1168.4	1177.3	0.50	0.58	0.67	0.78	0.96	0.97	0.84	0.87	4.00	4.20	T4	100			
MVE 700/3	MVE 1700/2	14.9	10.6	12.9	9.2	758	765	1671.1	1686.5	0.66	0.75	0.89	1.01	1.25	1.24	0.83	0.88	4.30	5.00					
MVE 800/3	MVE 1800/2	15.7	11.1	13.6	9.6	794	800	1750.5	1763.7	0.75	0.90	1.01	1.21	1.45	1.50	0.79	0.84	3.80	3.80	T4	100			

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This datasheet does not show the complete range but only the models most suitable for the application.