



- Enables the speed of single electric rotary vibrator to be regulated
- Enables centrifugal force to be regulated
- Variable frequency and voltage
- Simple programming
- Field Bus communication options
- Power ratings from 0.37kW- 4kW for 1Ph or 0.37-37.0 for 3Ph input
- The inverter is housed in a rugged IP66 enclosure - wall mounting
- Rated for high 50°C ambient
- Supplied as Standard with Switch (non switched is an option)
- Supply Frequency 48/62Hz

SPECIFICATION

Part No	Frame	Input Voltage	Output Voltage	Motor Power	Amperage
ODE Switched without Internal EMC Filter and no brake transistor					
046820.230	1	115/1/50	200/240/3/50	0.37	2.3
046820.430	1	115/1/50	200/240/3/50	0.75	4.3
046822.230	1	200/240/3/50	200/240/3/50	0.37	2.3
046822.430	1	200/240/3/50	200/240/3/50	0.75	4.3
046822.700	1	200/240/3/50	200/240/3/50	1.5	7.0
ODE Switched with Internal EMC Filter no brake transistor					
046826.230	1	230/1/50	200/240/3/50	0.37	2.3
046826.430	1	230/1/50	200/240/3/50	0.75	4.3
046826.700	1	230/1/50	200/240/3/50	1.5	7.0
046828.120	1	380/480/3/50	380/480/3/50	0.37	1.2
046828.220	1	380/480/3/50	380/480/3/50	0.75	2.2
046828.410	1	380/480/3/50	380/480/3/50	1.5	4.1
ODE Switched without Internal EMC Filter with brake transistor					
046830.580	2	115/1/50	200/240/3/50	1.1	5.8
ODE Switched with Internal EMC Filter with brake transistor					
046836.700	2	230/1/50	200/240/3/50	1.5	7.0
046836.1050	2	230/1/50	200/240/3/50	2.2	10.5
046836.1530	3	230/1/50	200/240/3/50	4.0	15.3
046838.410	2	380/480/3/50	380/480/3/50	1.5	4.1
046838.580	2	380/480/3/50	380/480/3/50	2.2	5.8
046838.950	2	380/480/3/50	380/480/3/50	4.0	9.5
046838.1400	3	380/480/3/50	380/480/3/50	5.5	14.0
046838.1800	3	380/480/3/50	380/480/3/50	7.5	18.0

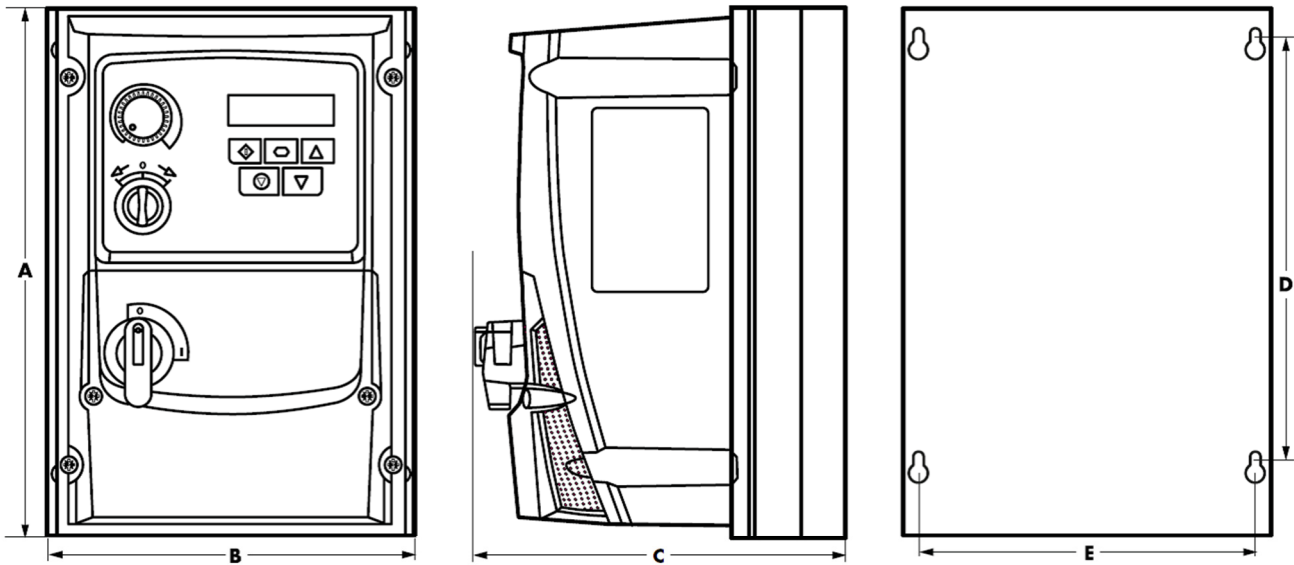
VIBRATECHNIQUES LTD

20 Cecil Pashley Way, Shoreham Airport, Shoreham by Sea, West Sussex, BN43 5FF
Tel: +44 (0)1273 430977 Fax: +44 (0)1273 430978 Email: sales@vibtec.com Web: www.vibtec.com

Selection of Variable Speed Control Units

- Find the rated current (not the wattage) on the data plate/catalogue of the electric vibrator you wish to use and multiply it by the number of electric vibrators;
- Multiply the result by the safety factor =1.88;
- Choose the type of Variable speed controller that has the output current (see table) immediately above the calculated current value.

DIMENSIONS



Drive Size	A		B		C		D		E		Weight	
	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb
1	232	9.13	161	6.34	162	6.37	189	7.44	148.5	5.85	2.3	5
2	257	10.12	188	7.4	182	7.16	200	7.87	178	7.00	3.5	7.7
3	310	12.2	211	8.3	235	9.25	252	9.92	197	7.75	6.6	14.5

Mounting Bolts	
Frame Size	
All Frame Sizes	4 x M4 (#8)

Tightening Torques		
Frame Size	Control Terminals	Power Terminals
1, 2, 3	0.5 Nm (4.4 lb-in)	0.8 Nm (7 lb-in)

Cable/Glands and Plugs

Refer Leaflet L0180

Enclosure	Cable		Cable Glands			
	Single Phase	Three Phase	Power input		Control output	
Size 1	046447	046442	M20	046383	M20	046383
Size 2,3	-	046442	M25	046862	M20	046383
Size 3 ≥18 amp	-	046372	M25	046862	M20	046383

Cable Size and Length, refer to Technical Manual TM3091 for details of Voltage Drop Calculations.
Cable Glands may change if cable size increased.

VIBRATECHNIQUES LTD

20 Cecil Pashley Way, Shoreham Airport, Shoreham by Sea, West Sussex, BN43 5FF
Tel: +44 (0)1273 430977 Fax: +44 (0)1273 430978 Email: sales@vibtec.com Web: www.vibtec.com



MVSI

The most extensive range of industrial electric vibrators on the market. Approved for potentially explosive dust atmospheres (ATEX, IECEx, GOST). Range from 0 to 67200 lbs.



MVSI-TS

MVSI industrial electric vibrators with split covers.



MVSI-ACC

MVSI industrial electric vibrators for axial coupling.



MVSI-E

"Ex e" increased safety electric vibrators for potentially explosive atmosphere (ATEX, IECEx, GOST). Range up to 24550 lbs.



MVLS

Low Speed electric industrial vibrators. Range up to 18000 lbs centrifugal force. RPM from 1200 to 500.



CDX

"Ex d" explosion-proof industrial electric vibrators for operation in potentially explosive atmospheres (UL, CSA, ATEX, IECEx, GOST). Range up to 49250 lbs.



MVTX

"Ex d" explosion-proof screen vibrators for operation in potentially explosive atmospheres. Bear UL, cUL, ATEX and IECEx marking. Range up to 17450 lbs.



MVCC

Direct current vibrators (12 or 24 V) designed for continuous duty on mobile machines. Range from 0 to 3350 lbs.



MVSS

Electric industrial vibrators in stainless steel AISI 316L for the chemical, petroleum chemistry, food, pharmaceutical processing sectors. Range from 0 to 9520 lbs.



MICRO

Electric vibrators designed for continuous service in processes where a lower centrifugal force is required. Range from 0 to 143 lbs.



M3

Electric industrial vibrators with multi-holes mounting feet and minimum dimensions. Range up to 684 lbs.



ITV-VR

Variable high frequency electric vibrators with fixed or cradle connection for industrial building sector. Range from 0 to 19800 lbs.



ITVAF

High frequency electric vibrators with fixed or cradle connection for industrial building sector. Range from 0 to 19800 lbs.



VU

Unidirectional linear motion exciters designed for medium and large size vibrating machines. Range up to 6400 in-lbs (102000 lbs).



MTF

Vertical electric vibrators with side flange. Range from 0 to 5750 lbs.



MTF-E

"Ex e" increased safety vertical electric vibrators with side flange for potentially explosive atmosphere (ATEX, IECEx, GOST).



VB

Vertical electric vibrators with double tapered flange. Range from 0 to 11000 lbs.



VB-E

Vertical electric vibrators with side flange. Range from 0 to 5750 lbs.



MVB

Vertical electric vibrators with side flange and shaft projecting on both sides. Range from 0 to 15400 lbs.



MVB-FLC

Vertical electric vibrators with central flange and shaft projecting on both sides. Range from 0 to 15400 lbs.



MVB-E

"Ex e" increased safety vertical electric vibrators with side flange and shaft projecting on both sides, for potentially explosive atmosphere (ATEX, IECEx, GOST).



MVB-E-FLC

"Ex e" increased safety vertical electric vibrators with central flange and shaft projecting on both sides, for potentially explosive atmosphere (ATEX, IECEx, GOST).

VIBTEC
VIBRATECHNIQUES LTD

Vibration Solutions