



Enables the speed of rotary electric vibrators to be regulated

Enables centrifugal force to be regulated

Manufactured in the UK

Utilising a robust inverter using pulse width modulation

Variable frequency and voltage

In all cases output is 3ph

The inverter is housed in a grey powder coated enclosure

Build Option 1 VSC1

Input Voltage 230/1/50/60 Output Voltage 230/3/50/60

Power ratings from 0.37kw to 2.2kw

Build Option 3 VSC3

Input Voltage 380/415/3/50/60 Output Voltage 380/415/3/50/60

Power Rating 0.37kw to 45kw

VIBTEC VSC Dual Vibrator Frequency Converter Control Unit
Build 1 Input Voltage 230/1/50/60 Output Voltage 230/3/50/60
Build 3 Input Voltage 380/415/3/50/60 Output Voltage 380/415/3/50/60
To operate 2 or more External Vibrators

Fitted with the following features

Standard Features VSC1 & VSC3

- IP54 Wall Mounted Mild Steel Enclosure
- Grey Paint Finish RAL7035
- Load break door interlocked isolator,
- Emergency stop facility (CAT 0),
- Danfoss Vacon 20 VSD ,
- Door mounted potentiometer.
- 110vac control transformer (100VA),
- Power On LED indication,
- Start/Stop push buttons,
- Main Contactor.
- Overloads, (see next page 2)
- Ventilation fan and filter,
- MCB protection for control circuit.
- Running/Fault LED indication,
- Volt free running signal
- Door mounted ammeter for each motor
- Ammeter Circuit

Standard Features VSC1BR & VSC3BR

- All above
- Brake Resistors

Optional Features

- Stainless Steel Cabinet
- Custom Colour to given RAL no
- Cabinet Plugs and Sockets
- Input and Output Cables

Selection of VSC Variable Speed Control Units

- a) 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;
- b) Multiply the result by the safety factor =1.88;
- c) Choose the type of VSC Variable speed controller that has the output current (see table) immediately above the calculated current value.

VIBRATECHNIQUES LTD

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VIBTEC VCS1 Dual Vibrator Frequency Converter Control Unit
Input Voltage 230/1/50/60 Output Voltage 230/3/50/60
To operate 2 or more External Vibrators



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Input Voltage 230/1/50/60 Output Voltage 230/3/50/60

Power ratings from 0.37kw to 2.2kw

Amp Range	Without Brake Resistors				With Brake Resistors			
	Model	Part Number	Dimensions	Weight	Model	Part Number	Dimensions	Weight
0.28-0.40	VSC1	046812.1.4	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.40	800 x 600 x 300	15-20Kg
0.43-0.63	VSC1	046812.1.6	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.63	800 x 600 x 300	15-20Kg
0.56-0.80	VSC1	046812.1.8	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.80	800 x 600 x 300	15-20Kg
0.2-1.0	VSC1	046812.1.10	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.10	800 x 600 x 300	15-20Kg
0.8-1.2	VSC1	046812.1.12	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.12	800 x 600 x 300	15-20Kg
1.2-1.8	VSC1	046812.1.18	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.18	800 x 600 x 300	15-20Kg
1.8-2.8	VSC1	046812.1.28	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.28	800 x 600 x 300	15-20Kg
2.8-4.0	VSC1	046812.1.40	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.40	800 x 600 x 300	15-20Kg
1.0-5.0	VSC1	046812.1.50	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.50	800 x 600 x 300	15-20Kg
4.0-6.3	VSC1	046812.1.63	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.63	800 x 600 x 300	15-20Kg
5.6-8.0	VSC1	046812.1.80	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.80	800 x 600 x 300	15-20Kg
7.0-10.0	VSC1	046812.1.100	600 x 400 x 300	10-15Kg	VSC1BR	046813.1.100	800 x 600 x 300	15-20Kg

These units are fitted with broad range Overloads can be more expensive than more specific overloads

VIBTEC VCS3 Dual Vibrator Frequency Converter Control Unit
Input Voltage 380/415/3/50/60 Output Voltage 380/415/3/50/60
To operate 2 or more External Vibrators



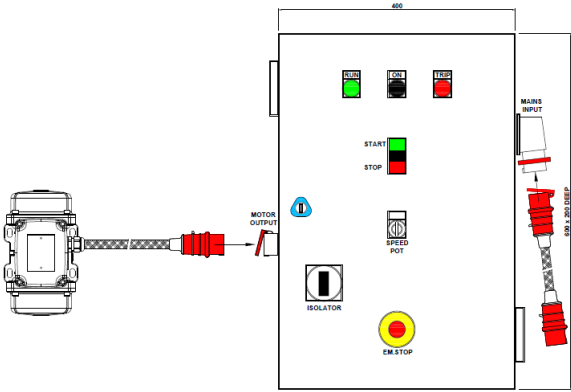


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 Power Rating 0.37kw to 45kw

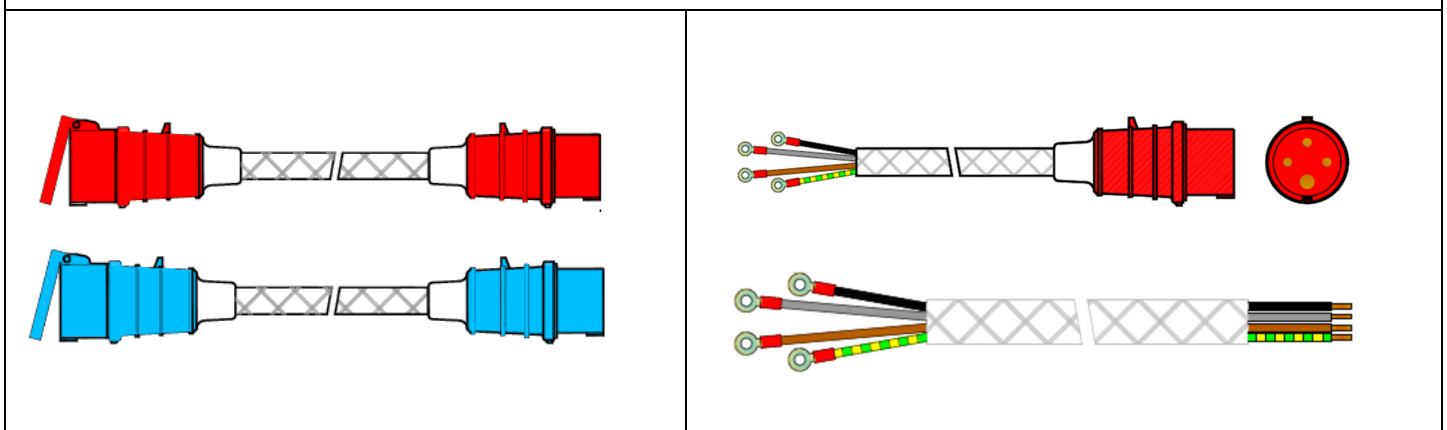
Amp Range	Without Brake Resistors				With Brake Resistors			
	Model	Part Number	Dimensions	Weight	Model	Part Number	Dimensions	Weight
0.28-0.40	VSC3	046814.3.4	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.4	1000 x 800 x 300	25-30Kg
0.43-0.63	VSC3	046814.3.6	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.6	1000 x 800 x 300	25-30Kg
0.56-0.80	VSC3	046814.3.8	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.8	1000 x 800 x 300	25-30Kg
0.2-1.00	VSC3	046814.3.10	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.10	1000 x 800 x 300	25-30Kg
0.8-1.2	VSC3	046814.3.12	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.12	1000 x 800 x 300	25-30Kg
1.2-1.8	VSC3	046814.3.18	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.18	1000 x 800 x 300	25-30Kg
1.8-2.8	VSC3	046814.3.28	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.28	1000 x 800 x 300	25-30Kg
2.8-4.0	VSC3	046814.3.40	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.40	1000 x 800 x 300	25-30Kg
1.0-5.0	VSC3	046814.3.50	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.50	1000 x 800 x 300	25-30Kg
4.0-6.3	VSC3	046814.3.63	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.63	1000 x 800 x 300	25-30Kg
5.6-8.0	VSC3	046814.3.80	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.80	1000 x 800 x 300	25-30Kg
7.0-10.0	VSC3	046814.3.100	1000 x 800 x 300	20-25Kg	VSC3BR	046815.3.100	1000 x 800 x 300	25-30Kg
8.0-12.5	VSC3	046814.3.125	1200 x 1000 x 300	20-25Kg	VSC3BR	046815.3.125	1200 x 1000 x 300	70-75Kg
10.0-15.0	VSC3	046814.3.150	1200 x 1000 x 300	65-70kg	VSC3BR	046815.3.150	1200 x 1000 x 300	70-75Kg
11.0-17.0	VSC3	046814.3.170	1200 x 1000 x 300	65-70kg	VSC3BR	046815.3.170	1200 x 1000 x 300	70-75Kg
15.0-23.0	VSC3	046814.3.230	1200 x 1000 x 300	65-70kg	VSC3BR	046815.3.230	1200 x 1000 x 300	70-75Kg
5.0-27.0	VSC3	046814.3.270	1200 x 1000 x 300	65-70kg	VSC3BR	046815.3.270	1200 x 1000 x 300	70-75Kg
22.0-32.0	VSC3	046814.3.320	1200 x 1000 x 300	65-70kg	VSC3BR	046815.3.320	1200 x 1000 x 300	70-75Kg
32.0-40.0	VSC3	046814.3.400	1200 x 1000 x 300	65-70kg	VSC3BR	046815.3.400	1200 x 1000 x 300	70-75Kg

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VIBTEC- Dual Vibrator Frequency Converter Control Unit Accessories

Build ref	Model
<p>104758/104917/104918</p> 	<p>Custom Built Enclosure</p> <p>Mild steel enclosure finished to Clients company colour Standard Enclosure Grey RAL7035 046816: 600(h) x 400(w) x 300(d)mm 046817: 800(h) x 600(w) x 300(d)mm 046818: 1000(h) x 800(w) x 300(d)mm</p>
	<p>Stainless Steel Enclosure</p> <p>Stainless Steel Enclosure Grade 304 046819: 600(h) x 400(w) x 300(d)mm 046820: 800(h) x 600(w) x 300(d)mm 046821: 1000(h) x 800(w) x 300(d)mm</p>
<p>Plugs and Sockets</p>	
	<p>Panel mount Plug for 415volt/3phase/50hz or 230volt/3phase/50hz Mains input cable wired to panel mount plug Panel mount Sockets for individual motor socket Motor output cables wired to panel mount sockets Matching plug and socket supplied loose in panel</p> <p>Input /Output Voltage 380/415/3/50/60 Output Voltage 046822.16 16amp 046822.32 32amp 046822.64 64amp</p> <p>Input Voltage 230/1/50/60 Output Voltage 230/3/50/60 046823.16 16amp</p>

Cable see Leaflet L0180





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).