



**CONVERTORS AND CONTROL PANELS**

**VSP & EC**

**VIBRATECHNIQUES LTD**

**20 Cecil Pashley Way, Shoreham Airport, Shoreham by Sea, West Sussex, BN43 5FF**

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Electronic Frequency Converter designed specifically for External Vibrators.  
 Built to Customers specification using Mitsubishi or Schneider Electric Invertors  
 All output sockets have individual motor protection switches  
 Maximum degree of safety due to use of a Galvanic Isolation Transformer  
 Using 42Volt allows maximum degree of safety due to low voltage  
 Automatic Ramp up allowing vibrators to be started simultaneously  
 Radio Interference suppression filter  
 Low Noise (sound power) below 70dB(A)  
 Temperature range of use -10°C to +40°C  
 No mechanical wear parts  
 Variable number of sockets can be fitted  
 Protection Class 1



Electronic Converter supplied as standard in Cabinet,  
 Optional extras: Frame, two wheeled Trolley , two wheeled trolley with cable reel with slip ring available.  
 Designed to allow variable vibrator speed for optimum vibrator performance and to avoid excessive noise and resonance.  
 Fail safe automatic overload shut off and short circuit protection, offering protection against low voltage and spikes in supply.  
 Excessive Temperature protection due to excessive amps and/ or excessive heat due to lack of ventilation in surrounding area.  
 Standard Input Voltage 400/3/50, other input voltages can be built to special order.  
 Available with output voltages of 42/3/200, 110/3/200, 230/3/200, 250/3/200, other frequency scan be accommodated  
 Double sealed electronics providing protection against humidity  
 Standard Unit 150-200Hz, if 100Hz required a second transformer would be required

## SPECIFICATION

Model	3.5kVA			5.5kVA			7.5kVA			15.0kVA		
Reference	EC/EXT3.5			EC/EXT5.5			EC/EXT7.5			EC/EXT15.0		
Input Voltage	400Volt /3Phase /50/60 Hertz											
Input Current	9 amp	9 amp	9 amp	13 amp	13 amp	13 amp	16 amp	16 amp	16 amp	26 amp	26 amp	26 amp
Input Power	6.5kVA	6.5kVA	6.5kVA	9.0kVA	9.0kVA	9.0kVA	11.0kVA	11.0kVA	11.0kVA	18.0kVA	18.0kVA	18.0kVA
Input Cable	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr	5 mtr
Output Voltage	42/3/200	250/3/200	400/3/200	42/3/200	250/3/200	400/3/200	42/3/200	250/3/200	400/3/200	42/3/200	250/3/200	400/3/200
Output Current	48 amp	8 amp	5 amps	75 amp	13 amp	7.5 amps	100 amp	17 amp	10 amps	200 amp	34 amp	20 amps
Output Frequency	150-200Hz											
Output Power	3.5kVA	3.5kVA	3.5kVA	5.5kVA	5.5kVA	5.5kVA	7.5kVA	7.5kVA	7.5kVA	15.0kVA	15.0kVA	15kVA
Transformer	Galvanic separated Transformer											
Standard no of Sockets/Amperage	4 x 32 amp	4 x 32 amp	4 x 32 amp	6 x 32 amp	6 x 32 amp	6 x 32 amp	6 x 32 amp	6 x 32 amp	6 x 32 amp	8 x 32 amp	8 x 32 amp	8 x 32 amp
Maximum no of Sockets /Amperage	8 x 32 amp	8 x 32 amp	8 x 32 amp	12 x 32 amp	12 x 32 amp	12 x 32 amp	12 x 32 amp	12 x 32 amp	12 x 32 amp	16 x 32 amp	16 x 32 amp	16 x 32 amp
Standard and Maximum number of sockets above is in standard box. Cabinet size may vary.												
Additional sockets can be fitted if Siemens Programmable Logo Control (PLC) unit fitted at extra cost.												
Protection	IP44											
Cabinet	500 x 500 x 400									600 x 600 x 600		
Amps formula: Power in Watt = Current in Amps * Voltage in Volts * three-phase concatenation factor (1,73) P = C * V * 1,73 or converted to Amperage C = P / V * 1,73												

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