

VIBRATION MOTORS WITH DC/AC CONVERTER



Vibration motors with DC/AC converter that have maximum 200 kgf (1,96 kN) centrifugal force are suitable for vibration machine manufacturer and other sectors in industry.

Miksan Motor's vibration motors with DC/AC converter can operate in all conditions and environments with high performance.

TECHNICAL SPECIFICATIONS

Power Supply

Power supply of vibration motors with DC/AC converter is 24 V DC. Please contact us for the special voltage and frequency rate.

Electric Motor

Electric motor of vibration motor with DC/AC converter has higher starting torque than standard asynchronous electric motor. The electric motor of the vibration motor is fed by converter. Over heating problem of the vibration motor due to no ventilation system is taken into consideration at designing.

Polarity

As a standard vibration motors are manufactured in 2 or 4 pole.

Motor Shaft

Motor shaft of vibration motors is produced from C45 structural steel.

Rotor

Rotor is produced by injecting high alloyed aluminium to the channel of the packed siliceous sheet metal.

Bearings

The vibration motors with DC/AC converter are equipped with deep groove ball bearing (2Z) with C3 internal clearance.

Eccentric Weights

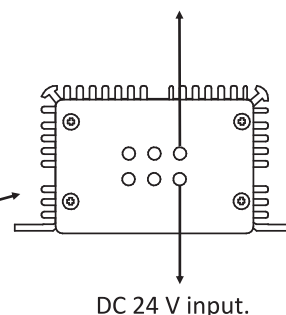
The weights can adjust easily by rotating or subtracting according to the type of the vibration motors.

2-4 POLE

50 Hz-3000 rpm ~ 60 Hz-3600 rpm
50 Hz-1500 rpm ~ 60 Hz-1800 rpm



3 phase 24 V AC output.



DC 24 V input.

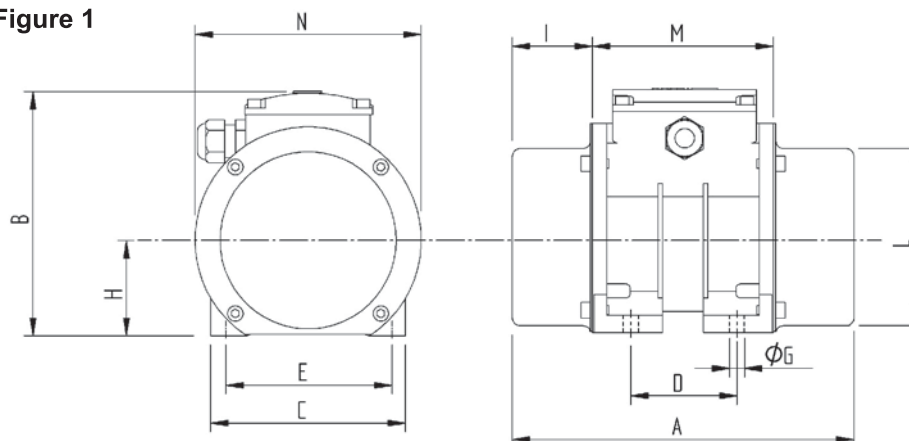
*Please contact us for 60 Hz values.

MECHANICAL SPECIFICATIONS						ELECTRICAL SPECIFICATIONS			CONVERTER SPECIFICATIONS		
RPM	TYPE	Centrifugal Force		Static Moment	Weight	Nominal Voltage	Max. Current	Max. Input Power	Nominal Voltage (DC)	Max. Current	Max. Input Power
50 Hz		KG	N	kgmm	KG	V	A	kW	V	A	kW
3000	VA 2-120 DC	120	1177	12	6,6	24	3,75	0,18	24	9,5	0,24
	VA 2-200 DC	200	1962	20	7,0	24	4,0	0,18	24	9,5	0,24
1500	VA 4-50 DC	50	491	20	6,9	24	3,5	0,12	24	9,5	0,24
	VA 4-80 DC	80	785	32	7,6	24	3,75	0,12	24	9,5	0,24

Working Moment = 2 x Static Moment

DIMENSIONS (mm)													
TYPE	A	B	C	D	E	ØGx4	H	I	L	M	N	Cable Entry	Fig. No
VA 2-120 DC	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 2-200 DC	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 4-50 DC	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 4-80 DC	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1

Figure 1



*We reserve the right to modify the specifications and dimensions without notice.