

SINGLE-PHASE FOOT MOUNTED VIBRATION MOTORS



Singlephase foot-mounted vibration motors that have maximum 500 kgf (4,9 kN) centrifugal force are suitable for vibration machine manufacturer and other sectors in industry.

Miksan Motor's singlephase foot-mounted vibration motors can operate in all conditions and environments with high performance.

TECHNICAL SPECIFICATIONS

Power Supply

Power supply of vibration motors is 230 Volt and 50-60 Hz as standart. Please contact us for the special voltage and frequency rate.

Electric Motor

Electric motor of singlephase vibration motors has higher starting torque than singlephase asynchronous electric motor. Standart Miksan Motor singlephase vibration motors have permanent split capacitor. Over heating problem of the vibration motor due to no vantilation system is taking into consideration at designing.

Polarity

Standart 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 alluminium to the channel of the packed siliceous sheet metal.

Bearings

The singlephase vibration motors 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.

Casing

Casing of vibration motor is high alloyed aluminium.

Eccentric Weights Cover

The eccentric weights cover of single phase vibration motor is sheet metal. The purpose of the eccentric weight covers are protecting the eccentric weights from the external factors and providing the safety.

Insulation Class

Insulation class of our standart range vibrtion motor is F class (155 °C).

Degree of Protection

Degree of protection is IP 66.

Lubrication

Our singlephase vibration motors are equipped with self-lubricated bearings (deep groove ball bearings) so, lubrication is not necessary.

Painting

Vibration motors are painted with RAL 1003 paint by using electrostatic painting method.

2 POLE

50 Hz-3000 rpm ~ 60 Hz-3600 rpm

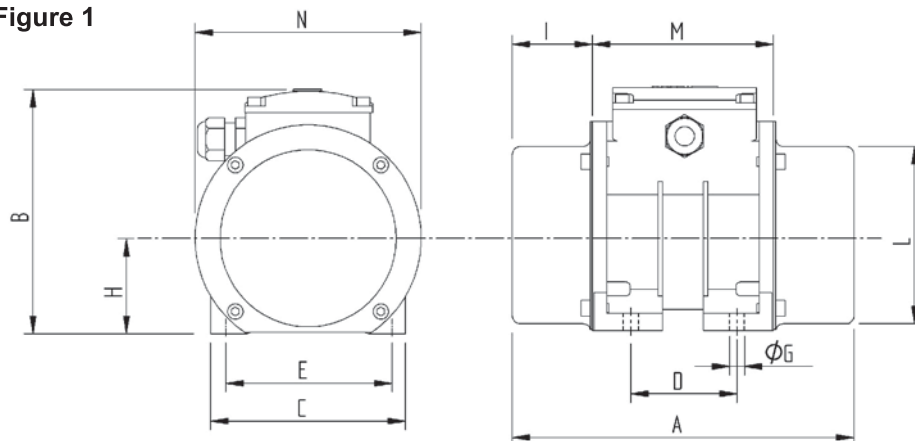


*Please contact us for 60 Hz values.

MECHANICAL SPECIFICATIONS									ELECTRICAL SPECIFICATIONS				
RPM	TYPE		Centrifugal Force			Static Moment	Weight	Nominal Voltage	Max. Current	Capacitor	Max. Input Power		
50 Hz			KG	N		kgmm	KG	V	A	μF	kW		
3000	VA 2-80 M		80	785		8	6,2	230	0,3	6	0,1		
	VA 2-120 M		120	1177		12	6,6	230	0,35	8	0,1		
	VA 2-200 M		200	1962		20	7,0	230	1,0	6	0,15		
	VB 2-350 M		340	3335		34	10,2	230	1,5	8	0,16		
	VC 2-500 M		500	4905		50	14,5	230	1,1	8	0,17		
D I M E N S I O N S (mm)													
TYPE	A	B	C	D	E	ØGx4	H	I	L	M	N	Cable Entry	Fig. No
VA 2-80 M	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 2-120 M	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 2-200 M	219	156	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VB 2-350 M	285	175	152	90	125	13	75	66,5	130	152	162	M20 x 1,5	1
VC 2-500 M	260	196	172	95-105	140	13	86	54	151	152	191	M20 x 1,5	1

Working Moment = 2 x Static Moment

Figure 1



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

4 POLE

50 Hz-1500 rpm ~ 60 Hz-1800 rpm

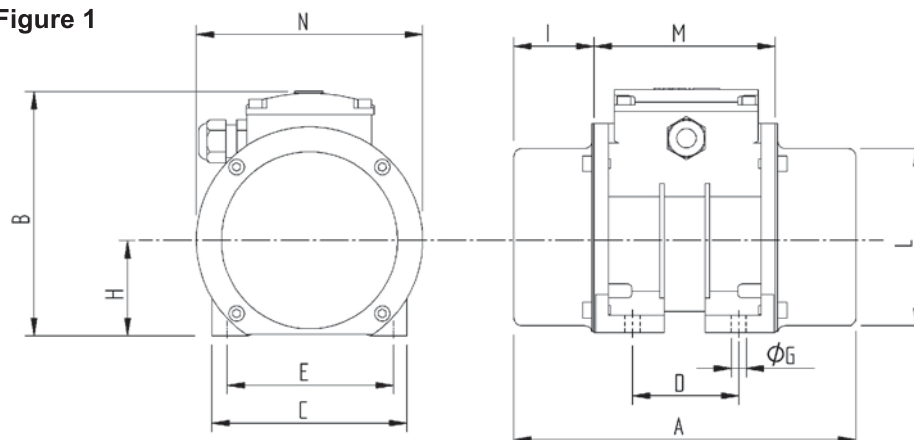


*Please contact us for 60 Hz values.

MECHANICAL SPECIFICATIONS									ELECTRICAL SPECIFICATIONS				
RPM	TYPE		Centrifugal Force				Static Moment	Weight	Nominal Voltage	Max. Current	Capacitor	Max. Input Power	
50 Hz			KG	N		kgmm	KG	V	A	µF	kW		
1500	VA 4-30 M		30	295		12	6,5	230	0,6	3,5	0,1		
	VA 4-50 M		50	491		20	6,9	230	0,6	4,5	0,1		
	VA 4-80 M		80	785		32	7,6	230	0,65	8	0,15		
	VB 4-200 M		210	2060		84	12,1	230	2,0	8	0,42		
D I M E N S I O N S (mm)													
TYPE	A	B	C	D	E	ØGx4	H	I	L	M	N	Cable Entry	Fig. No
VA 4-30 M	219	153	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 4-50 M	219	153	125	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VA 4-80 M	219	172	152	74-62	106	9	62	51,5	113	116	145	M20 x 1,5	1
VB 4-200 M	285	172	172	90	125	13	75	66,5	130	152	162	M20 x 1,5	1

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