MICRO VIBRATION MOTORS

Category: II 3 D

Degree of Protection: tc IIIC (T 100 °C) Db, IP65

Temperature Class: 100 °C

ATEX Certificate: ATEX II 3D Extc IIIC (T 100 °C) Dc

Useable zone: Zone 22

*VZ M series vibrations do not have ATEX.

Micro vibration motors that have maximum 60 kgf (0,58 kN) centrifugal force are suitable for vibration machine manufacturer and other sectors in industry.

Miksan Motor's micro vibration motors can operate in all confitions and enviroments with high

TECHNICAL SPECIFICATIONS

Power Supply
Power supply of vibration motors is 230 Volt singlephase or 230 Δ/400 Y Volt threephase and 50-60 Hz as a standart. Please contact us for the special voltage and frequency rate.

Electric Motor
Electric motor of micro vibration motors has higher starting torque than standart asynchronous electric motor. Standart Miksan Motor singlephase micro 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
As a 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 micro 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.

2-4 POLE

CE

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

*Please contact us for 60 Hz values.

	MECHANIC SPECIFICATIONS						ELECTRICAL SPECIFICATIONS			
	RPM	TYPE	Centifugal Force		Static Mo-ment	Weight	Nominal Voltage	Max. Current	Capacitor	Max. Input Power
	50 Hz		KG	N	kgmm	KG	V	A	µF	W
threephase	3000	VX 20	21	206	2,10	1,6	400	0,11	-	21
		VY 40	39	383	3,88	2,6	400	0,18	-	40
		VY 60	59	579	5,86	2,7	400	0,18	-	40
	1500	VY 25	25	245	9,94	3,0	400	0,18	-	56
monophase	3000	VX 20 M	21	206	2,10	1,6	230	0,12	1	25
		VY 40 M	39	383	3,88	2,7	230	0,24	4	50
		VY 60 M	59	579	5,86	2,8	230	0,24	4	50
		VZ M	4	39	0,4	0,9	230	0,12	-	20
	1500	VY 25 M	25	245	9,94	3,1	230	0,28	4	58

Working Moment = 2 x Static Moment

Figure M

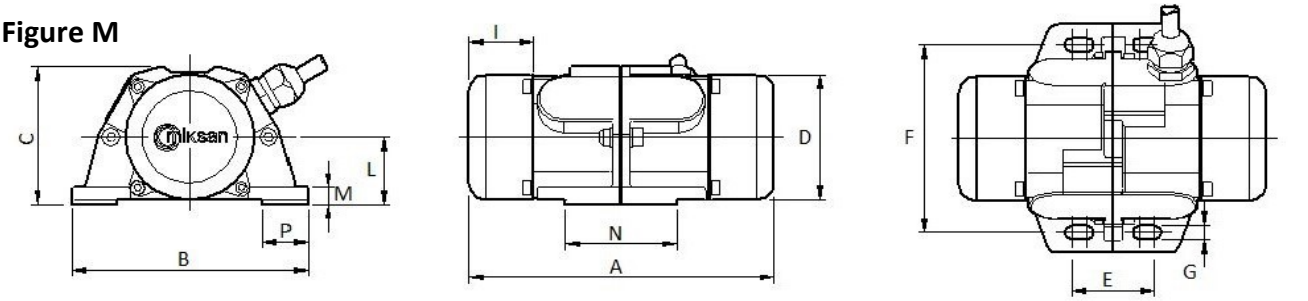
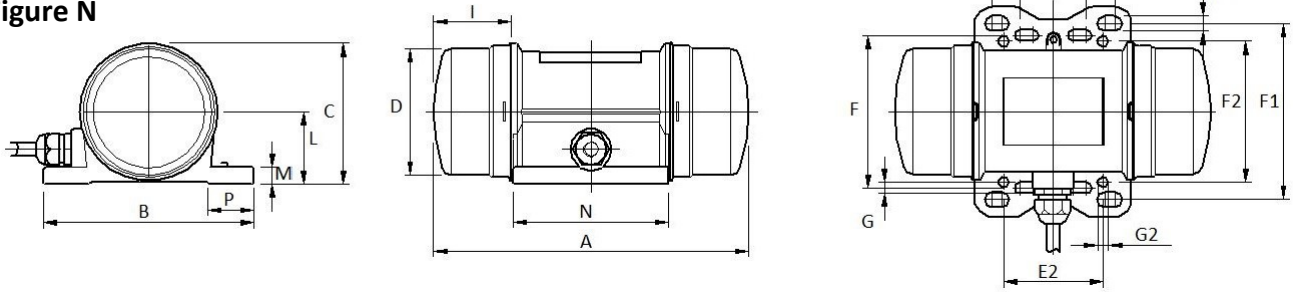


Figure N



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

	DIMENSIONS (mm)																			
	MODEL	A	B	C	D	E	E1	E2	F	F1	F2	G	G1	Ø G2	I	L	M	N	P	Cable Entry	Figure
threephase	VX 20	146	112	68	61	24 - 40	-	-	92	-	-	7	-	-	32	33	8,5	53	21	M16 x 1,5	M
	VY 40	190	127	85	77	24 - 40	62 - 74	60	92	106	85	9	6,5	6,5	47	43,5	10	94	28	M16 x 1,5	N
	VY 60	190	127	85	77	24 - 40	62 - 74	60	92	106	85	9	6,5	6,5	47	43,5	10	94	28	M16 x 1,5	N
	VY 25	190	127	85	77	24 - 40	62 - 74	60	92	106	85	9	6,5	6,5	47	43,5	10	94	28	M16 x 1,5	N
monophase	VX 20 M	146	112	68	61	24 - 40	-	-	92	-	-	7	-	-	32	33	8,5	53	21	M16 x 1,5	M
	VY 40 M	190	127	85	77	24 - 40	62 - 74	60	92	106	85	9	6,5	6,5	47	43,5	10	94	28	M16 x 1,5	N
	VY 60 M	190	127	85	77	24 - 40	63 - 74	60	92	106	85	9	6,5	6,5	47	43,5	10	94	28	M16 x 1,5	N
	VY 25 M	190	127	85	77	24 - 40	64 - 74	60	92	106	85	9	6,5	6,5	47	43,5	10	94	28	M16 x 1,5	N
	VZ M	109	90	67	62	25 - 40	-	-	75	-	-	-	5,5	-	23	34	9	58	17,5	M12 x 1,5	N