

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/3810-S02 230/400V 50Hz 3PH

SERIE: AE FRAME SIZE: 80 P/N: 602154A

RPM 1000

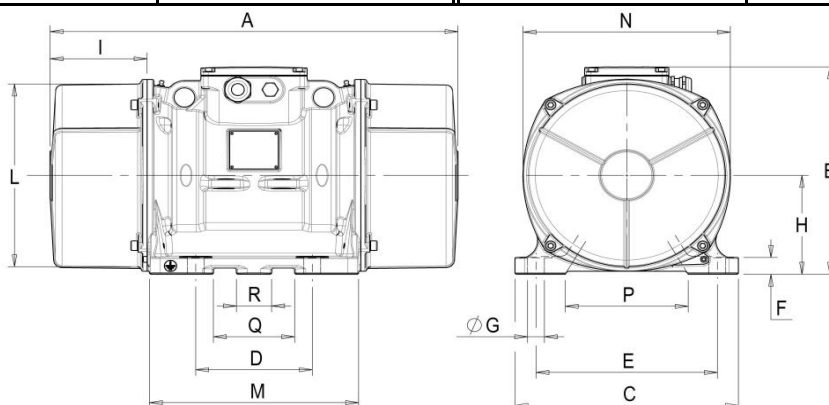
MECHANICAL CHARACTERISTICS

Weights Position	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	3422	298	3826	8417	37,5	22531	54024
90	3080	268	3443	7575	33,8	32023	76785
80	2738	238	3061	6734	30,0	47393	>100000
70	2395	208	2678	5892	26,3	73998	>100000
60	2053	179	2296	5050	22,5	>100000	>100000
50	1711	149	1913	4209	18,8	>100000	>100000
40	1369	119	1530	3367	15,0	>100000	>100000
30	1027	89	1148	2525	11,3	>100000	>100000
20	684	60	765	1683	7,50	>100000	>100000
10	342	30	383	842	3,75	>100000	>100000

Weight:	188 kg (414 lb)	Bearing:	NJ 313 E C4
Working Moment:	684 kgcm (596 in-lb)	Dynamic load:	47557 lb (21617 kg)
Max Static Moment:	3422 kgmm (298 in-lb)	Lube schedule:	4300 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm
Nominal input voltage:	230	400	169	19,0
Nominal current (amps):	8,8	5,1	398	44,6
Start current (amps):	52,0	30,1	525	58,9
Start/Nom. current ratio:	5,91		2,35	
Input power (watts):	2500		3,10	
Output power (hp):	2,6		2,21	
Service Factor:	1,0		continuous	
Efficiency:	77%		+40°C (104F)	
Slip:	3%		Inertia (kgm² lb-ft²):	
Power factor:	0,75		2,5653 71,137	
Coil resist (Ω @ 20°C):	1,9		Inverter Duty:	
Insulation class:	F		20Hz to 50Hz	
Locked Rotor Code:	J		Operating Temp. Code:	
			N/A	
			Capacitance (μF):	
			N/A	



	in.	mm
A:	28,90	734
B:	13,62	346
C:	13,58	345
D:	7,09	180
E:	11,02	280
ØG:	1,02	26
F:	1,10	28
H:	6,50	165
I:	7,95	202
L:	11,93	303
M:	12,72	323
N:	12,60	320
P:	7,48	190
Q:	1,40	35,5
R:	2,13	54

External cable diam. :	13±20 mm
Serv.length req.per side:	0,512 to 0,787 inch
Mounting bolts:	202 mm (7,95 inch)
Mounting bolt torque:	M24 - (1")
	71 kgm (644 ft-lb)