

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/4700-S02 230/400V 50Hz 3PH

SERIE: AE FRAME SIZE: 80 P/N: 602204A

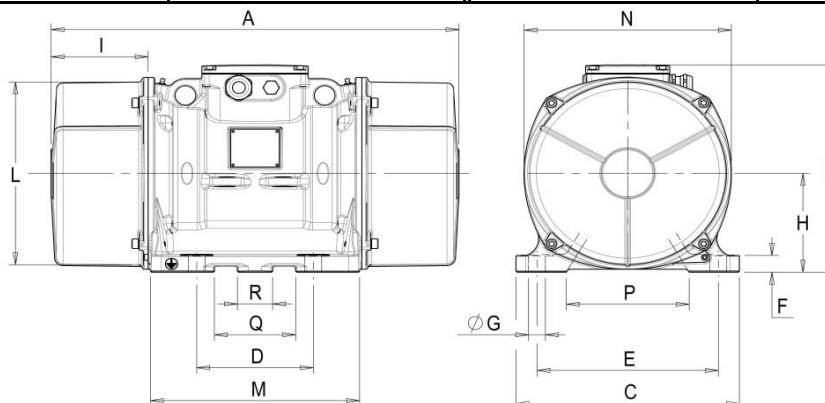
RPM 1000

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	4206	366	4701	10342	46,1	30408	72912
90	3785	329	4231	9308	41,5	43199	>100000
80	3365	293	3761	8274	36,9	63965	>100000
70	2944	256	3291	7240	32,3	99815	>100000
60	2524	219	2821	6205	27,7	>100000	>100000
50	2103	183	2351	5171	23,1	>100000	>100000
40	1682	146	1880	4137	18,4	>100000	>100000
30	1262	110	1410	3103	13,8	>100000	>100000
20	841	73	940	2068	9,22	>100000	>100000
10	421	37	470	1034	4,61	>100000	>100000
Weight:		204 kg (449 lb)		Bearing:		NJ 2313 E C4	
Working Moment:		841 kgcm (732 in.-lb)		Dynamic load:		63934 lb (29061 kg)	
Max Static Moment:		4206 kgmm (366 in.-lb)		Lube schedule:		4300 hours	

ELECTRICAL CHARACTERISTICS

				in.-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	231	25,9
Nominal current (amps):	11,3	6,5	Start torque:	669	75,0
Start current (amps):	59,2	34,1	Maximum torque:	669	75,0
Start/Nom. current ratio:	5,24		Start/nom. torque ratio:	2,90	
Input power (watts):	3200		Max/nom. torque ratio:	2,90	
Output power (hp):	3,5		Starting time (sec):	1,61	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	81,5%		Max. Ambient Temp.:	+40°C 104 F)	
Slip:	3,7%		Inertia (kgm² lb-ft²):	3,1099	86,238
Power factor:	0,75		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	1,6		Operating Temp. Code:	N/A	
Insulation class:	F		Capacitance (μF):	N/A	
Locked Rotor Code:	H				



	in.	mm
A:	31,34	796
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:	9,17	233
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.:	13-20mm
Serv. length req.per side:	0,512-0,787 inch
Mounting bolts:	233mm (9,17 inch.)
Mounting bolt torque:	M24 - (1")
	71 kgm (644 ft-lb)