

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/3000-S02 230/400V 50Hz 3PH

SERIE: AE FRAME SIZE: 70 P/N: 602230A

IP66

RPM 1000

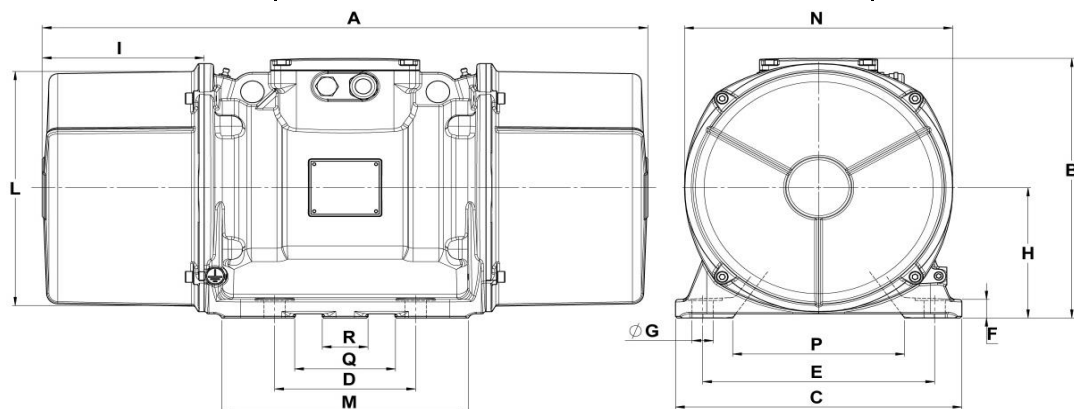
MECHANICAL CHARACTERISTICS

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		2690	234	3007	6615	29,5	67918
90		2421	211	2706	5954	26,5	96532
80		2152	187	2406	5292	23,6	>100000
70		1883	164	2105	4631	20,6	>100000
60		1614	140	1804	3969	17,7	>100000
50		1345	117	1504	3308	14,7	>100000
40		1076	93,6	1203	2646	11,8	>100000
30		807	70,2	902	1985	8,85	>100000
20		538	46,8	601	1323	5,90	>100000
10		269	23,4	301	662	2,95	>100000

Weight:	141 kg (311 lb)	Bearing:	NJ 2311 E C4
Working Moment:	538 kgcm (468 in.-lb)	Dynamic load:	52045 lb (23657 kg)
Max Static Moment:	2690 kgmm (234 in.-lb)	Lube schedule:	4800 hours

ELECTRICAL CHARACTERISTICS

				in.-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	149	16,7
Nominal current (amps):	7,8	4,5	Start torque:	344	38,6
Start current (amps):	33,9	19,6	Maximum torque:	377	42,3
Start/Nom. current ratio:	4,35		Start/nom. torque ratio:	2,31	
Input power (watts):	2200		Max/nom. torque ratio:	2,53	
Output power (hp):	2,3		Starting time (sec):	1,68	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	79%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	5,5%		Inertia (kgm ² lb-ft ²):	1,7427	48,3253
Power factor:	0,71		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	3,45		Operating Temp. Code:	N/A	
Insulation class:	F		Capacitance (μF):	N/A	
Locked Rotor Code:	G				



	in.	mm
A:	28,03	712
B:	12,17	309
C:	12,40	315
D:	6,10	155
E:	10,04	255
ØG:	0,93	23,5
F:	0,87	22
H:	6,10	155
I:	7,91	201
L:	10,91	277
M:	10,67	271
N:	11,61	295
P:	7,44	189
Q:	4,29	109
R:	1,97	50

External cable diam.:	9-16mm
Serv. length req.per side:	0,354-0,630 inch
Mounting bolts:	M22 - (7/8")
Mounting bolt torque:	56kgm (513 ft.-lb)