

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/22000-S02 230/400V 50Hz 3PH

SERIE: AC FRAME SIZE: 110 P/N: 602144A

RPM 1000

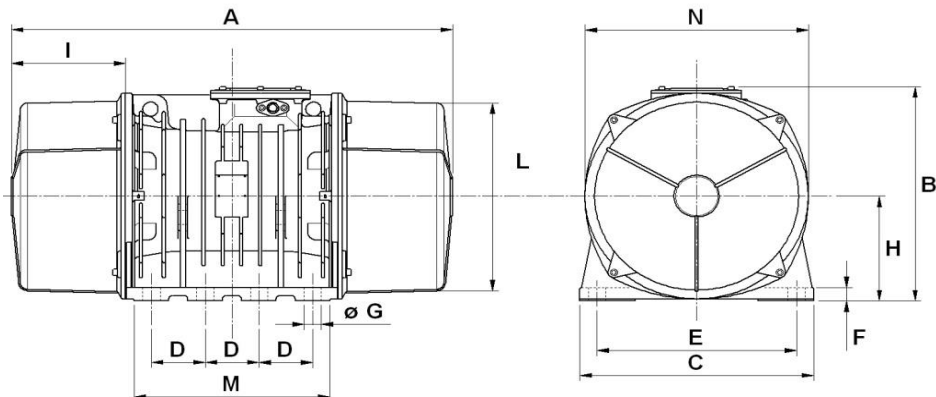
MECHANICAL CHARACTERISTICS

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	20025	1741	22386	49249	220	13342	31992
90	18023	1567	20147	44324	198	18958	45457
80	16020	1393	17909	39399	176	28071	67308
70	14018	1219	15670	34474	154	43812	>100000
60	12015	1045	13432	29550	132	73230	>100000
50	10013	871	11193	24625	110	>100000	>100000
40	8010	696	8954	19700	87,8	>100000	>100000
30	6008	522	6716	14775	65,9	>100000	>100000
20	4005	348	4477	9850	43,9	>100000	>100000
10	2003	174	2239	4925	22,0	>100000	>100000
Weight:		2037 lb (926 kg)		Bearing:		NJ 2326 E C4	
Working Moment:		3482 in.-lb (4005 kgcm)		Dynamic load:		237790 lb (108086 kg)	
Max Static Moment:		1741 in.-lb (20025 kgmm)		Lube schedule:		1700 hours	

ELECTRICAL CHARACTERISTICS

				in.-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	1320	148
Nominal current (amps):	57	33,0	Start torque:	2792	313
Start current (amps):	266	154	Maximum torque:	3416	383
Start/Nom. current ratio:	4,67		Start/nom. torque ratio:	2,11	
Input power (watts):	19000		Max/nom. torque ratio:	2,59	
Output power (hp):	20,6		Starting time (sec):	2,86	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	81%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	5%		Inertia kgm ² (lb-ft ²):	23,856	661,527
Power factor:	0,83		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	0,19		Operating Temp. Code:	N/A	
Insulation class:	F		Capacitance (μF):	N/A	
Locked Rotor Code:	F				

Type F



	in.	mm
A:	45,28	1150
B:	23,15	588
C:	24,02	610
D:	5,51	140
E:	20,47	520
ØG:	1,77	45
F:	1,50	38
H:	11,69	297
I:	11,73	298
L:	21,34	542
M:	20,51	521
N:	22,91	582

External cable diam.:	13-20 mm
Serv. length req.per side:	298 mm (11,73 inch)
Mounting bolts:	M42 - (1-5/8")
Mounting bolt torque:	290kgm (2090 ft-lb)