

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 3/300-S02 230/400V 50Hz 3PH

SERIE: AC FRAME SIZE: 10 P/N: 600313A

RPM 3000

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	30,0	2,61	302	664	2,96	3696	8119
90	27,0	2,35	272	598	2,67	5058	11113
80	24,0	2,09	242	532	2,37	7182	15780
70	21,0	1,83	211	465	2,07	10836	23807
60	18,0	1,57	181	399	1,78	17166	37715
50	15,0	1,30	151	332	1,48	29565	64955
40	12,0	1,04	121	266	1,18	57459	>100000
30	9,0	0,78	90,6	199	0,89	>100000	>100000
20	6,0	0,52	60,4	133	0,59	>100000	>100000
10	3,0	0,26	30,2	66,4	0,30	>100000	>100000

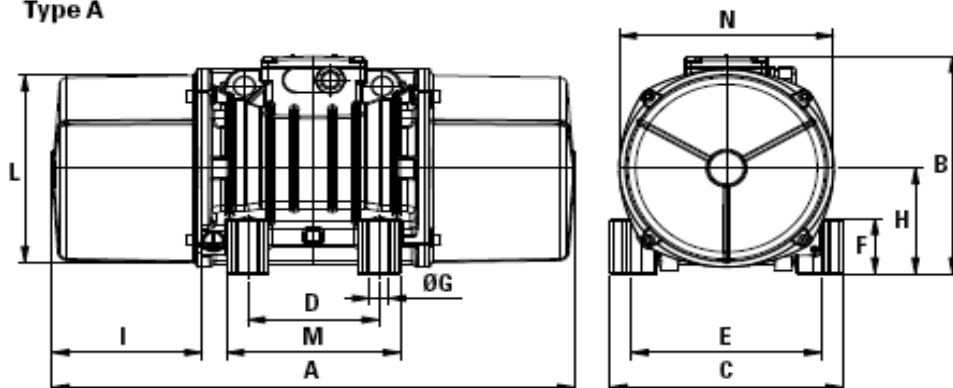
This unit is equipped with lamellar weights. See page 2 for adjustment details.

Weight:	19,8 lb (9 kg)	Bearing:	6304.2Z.C3
Working Moment:	5,22 in.-lb (60,0 kgmm)	Dynamic load:	3769 lb (1713 kg)
Max Static Moment:	2,61 in.-lb (30,0 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400		
Nominal current (amps):	1,04	0,6		
Start current (amps):	4,2	2,9		
Start/Nom. current ratio:		3,47		
Input power (watts):		260		
Output power (hp):		0,24		
Service Factor:		1,0		
Efficiency:		69%		
Slip:		8,0%		
Power factor:		0,63		
Coil resist (Ω @ 20°C):		38		
Insulation class:		F		
Locked Rotor Code:		G		
Nominal torque:			5,5	0,62
Start torque:			14,5	1,62
Maximum torque:			16,1	1,80
Start/nom. torque ratio:			2,61	
Max/nom. torque ratio:			2,90	
Starting time (sec):			0,62	
Duty cycle:			continuous	
Max. Ambient Temp.:			+40°C (104 F)	
Inertia kgm ² (lb-ft ²):			0,00830	0,2302
Inverter Duty:			20Hz to 50Hz	
Operating Temp. Code:			N/A	
Capacitance (μ F):			N/A	

Type A



	in.	mm
A:	10,04	255
B:	6,73	171
C:	5,98	152
D:	3,54	90
E:	4,92	125
ØG:	0,51	13
F:	1,10	28
H:	2,87	73
I:	2,13	54
L:	5,00	127
M:	5,04	128
N:	5,55	141

External cable diam. (in):	0,256 to 0,472
Serv. length req.per side(in):	2,13
Mounting bolts:	1/2" - (M12)
Mounting bolt torque:	58 ft.-lb (8 kgm)

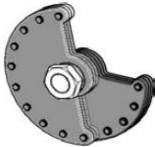
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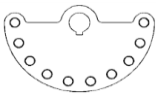
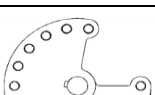
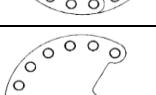
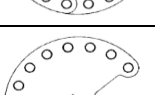
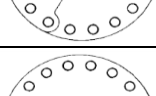
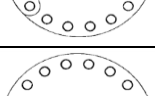
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LAMELLAR WEIGHT ADJUSTMENTS

N_T  Total number of lamellas each side 4	N_R  Number of lamellas to adjust each side 2	N_F  Number of fixed lamellas each side 2
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Weights Position		Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor	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				%	kgmm	in.-lb	kg	lb	kN	
	100	30,0	2,6	302	664	2,96	3696	8119		99	29,7	2,6	299	658	2,93	3808	8366
	94	28,2	2,5	284	625	2,78	4444	9763		87	26,1	2,3	263	578	2,58	5596	12294
	77	23,1	2,0	233	512	2,28	8047	17680		64	19,2	1,7	193	425	1,90	14159	31108
	50	15,0	1,3	151	332	1,48	29565	64955		35	10,5	0,9	106	233	1,04	85467	>100000
	18	5,4	0,5	54	120	0,53	>100000	>100000		0	0,0	0,0	0	0	0,00	-	-