

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVS1 3/200-S02 220V 50Hz 1PH

SERIE: AC FRAME SIZE: 01 P/N: 600312M

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	20,2	1,76	203	447	1,99	4325	9501
90	18,2	1,58	183	402	1,79	5903	12969
80	16,2	1,41	162	357	1,59	8509	18694
70	14,1	1,23	142	313	1,39	12635	27758
60	12,1	1,05	122	268	1,19	19923	43770
50	10,1	0,88	102	223	1,00	34090	74896
40	8,1	0,70	81,2	179	0,80	67571	>100000
30	6,1	0,53	60,9	134	0,60	>100000	>100000
20	4,0	0,35	40,6	89,3	0,40	>100000	>100000
10	2,0	0,18	20,3	44,7	0,20	>100000	>100000

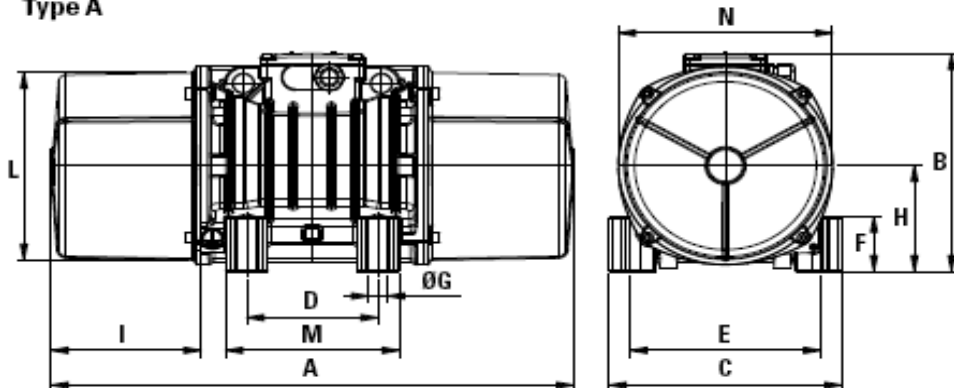
This unit is equipped with lamellar weights. See page 2 for adjustment details.

Weight:	13,2 lb (6,0 kg)	Bearing:	6302.2Z.C3
Working Moment:	3,5 in-lb (4,0 kgcm)	Dynamic load:	2669 lb (1213 kg)
Max Static Moment:	1,76 in-lb (20,2 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

		in-lb	Nm
Nominal input voltage:	220		
Nominal current (amps):	0,75		
Start current (amps):	1,25		
Start/Nom. current ratio:	1,67		
Input power (watts):	165		
Output power (hp):	0,15		
Service Factor:	1,0		
Efficiency:	64%		
Slip:	7%		
Power factor:	1,0		
Coil resist (Ω @ 20°C):	115		
Insulation class:	F		
Locked Rotor Code:	A		
Nominal torque:		3,5	0,39
Start torque:		2,7	0,30
Maximum torque:		4,6	0,52
Start/nom. torque ratio:		0,77	
Max/nom. torque ratio:		1,33	
Starting time (sec):		0,95	
Duty cycle:		continuous	
Max. Ambient Temp.:		+40°C (104 F)	
Inertia kgm^2 (lb-ft ²):		0,00320	0,0887
Inverter Duty:		20Hz to 50Hz	
Operating Temp. Code:		N/A	
Capacitance (μF):		10	

Type A



	in.	mm
A:	9,25	235
B:	5,91	150
C:	4,92	125
D:	2,44-2,91	62-74
E:	4,17	106
ØG:	0,35	9
F:	0,87	22
H:	2,40	61
I:	2,28	58
L:	4,17	106
M:	3,86	98
N:	4,61	117

External cable diam.:	6,5-12mm
Ser. length req.per side:	0,256-0,472 inch
Mounting bolts:	58 mm (2,28 inch.)
Mounting bolt torque:	M8 - (5/16")
	2,3kgm (16,5 ft-lb)