

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVS1 15/80-S02 230/400V 50Hz 3PH

SERIE: AC FRAME SIZE: 01 P/N: 601341A

RPM 1500

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	32,3	2,81	81,3	179	0,80	>100000	>100000
90	29,1	2,53	73,2	161	0,72	>100000	>100000
80	25,8	2,25	65,0	143	0,64	>100000	>100000
70	22,6	1,97	56,9	125	0,56	>100000	>100000
60	19,4	1,69	48,8	107	0,48	>100000	>100000
50	16,2	1,40	40,7	89	0,40	>100000	>100000
40	12,9	1,12	32,5	72	0,32	>100000	>100000
30	9,7	0,84	24,4	54	0,24	>100000	>100000
20	6,5	0,56	16,3	36	0,16	>100000	>100000
10	3,2	0,28	8,13	18	0,08	>100000	>100000

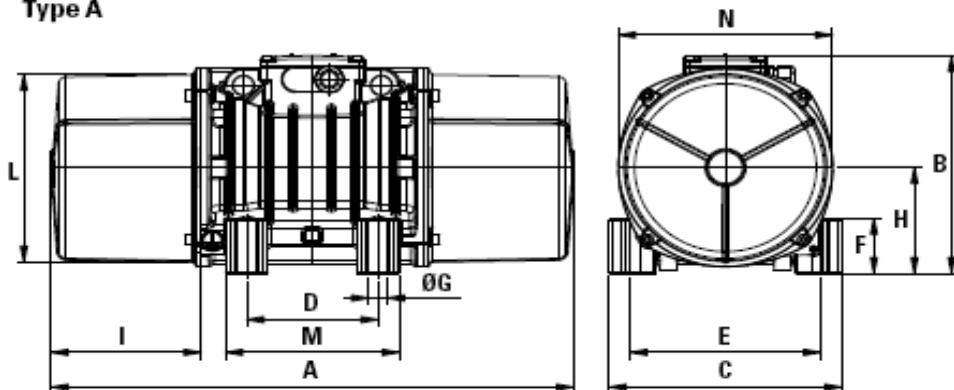
This unit is equipped with lamellar weights. See page 2 for adjustment details.

Weight:	13,7 lb (6,2 kg)	Bearing:	6302.2Z.C3
Working Moment:	5,6 in.-lb (64,6 kgmm)	Dynamic load:	2669 lb (1213 kg)
Max Static Moment:	2,81 in.-lb (32,3 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	2,2	0,25
Nominal current (amps):	0,36	0,21	3,1	0,35
Start current (amps):	0,64	0,37	4,3	0,48
Start/Nom. current ratio:	1,78		1,40	
Input power (watts):	85		1,92	
Output power (hp):	0,05		1,09	
Service Factor:	1,0		continuous	
Efficiency:	41%		+40°C (104 F)	
Slip:	9%		Inertia kgm ² (lb-ft ²): 0,00610 0,16915	
Power factor:	0,58		Inverter Duty: 20Hz to 50Hz	
Coil resist (Ω @ 20°C):	342		Operating Temp. Code: N/A	
Insulation class:	F		Capacitance (μF): N/A	
Locked Rotor Code:	F			

Type A



	in.	mm
A:	9,80	249
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:	2,56	65
L:	4,06	103
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)




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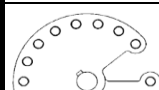
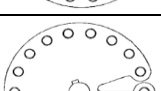
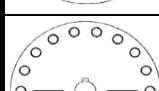
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LAMELLAR WEIGHT ADJUSTMENTS

<p>N_T</p>  <p>Total number of lamellas each side</p> <p>8</p>	<p>N_R</p>  <p>Number of lamellas to adjust each side</p> <p>4</p>	<p>N_F</p>  <p>Number of fixed lamellas each side</p> <p>4</p>
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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	32,3	2,8	81,3	179	0,80	>100000	>100000		99	32,0	2,8	80,5	177	0,79	>100000	>100000
	94	30,4	2,6	76,4	168	0,75	>100000	>100000		87	28,1	2,4	70,7	156	0,69	>100000	>100000
	77	24,9	2,2	62,6	138	0,61	>100000	>100000		64	20,7	1,8	52,0	114	0,51	>100000	>100000
	50	16,2	1,4	40,7	89	0,40	>100000	>100000		35	11,3	1,0	28,5	63	0,28	>100000	>100000
	18	5,8	0,5	14,6	32	0,14	>100000	>100000		0	0,0	0,0	0,0	0	0,00	-	-