

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 3/5000-S02 230/400V 50Hz 3PH

SERIE: AB FRAME SIZE: AF70 P/N: 600472A

IP66

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	515	44,8	5187	11411	50,9	5377	12893
98	505	43,9	5083	11183	49,8	5753	13793
94	484	42,1	4876	10727	47,8	6608	15844
87	448	39,0	4513	9928	44,3	8552	20505
77	397	34,5	3994	8787	39,2	12850	30811
64	330	28,7	3320	7303	32,6	23794	57053
50	258	22,4	2594	5706	25,4	54162	>100000
34	175	15,2	1764	3880	17,3	>100000	>100000
17	86	7,5	864	1901	8,5	>100000	>100000

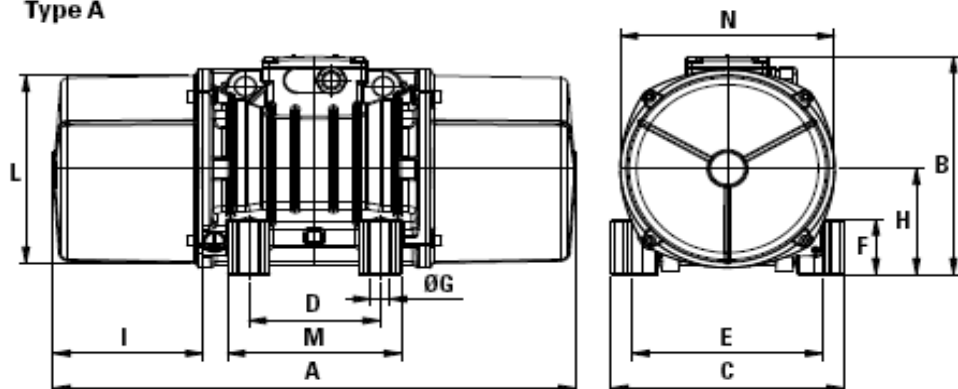
This unit is equipped with lamellar weights. See page 2 for adjustment details.

Weight:	109 kg (240 lb)	Bearing:	NJ 2312 E C4
Working Moment:	89,6 in.-lb (1030 kgmm)	Dynamic load:	58326 lb (26512 kg)
Max Static Moment:	44,8 in.-lb (515 kgmm)	Lube schedule:	900 hours

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	111	12,4
Nominal current (amps):	13,2	7,6	250	28,0
Start current (amps):	73,1	42,1	294	33,0
Start/Nom. current ratio:	5,54		2,26	
Input power (watts):	5000		2,66	
Output power (hp):	5,0		1,4	
Service Factor:	1,0		continuous	
Efficiency:	75%		+40°C (104 F)	
Slip:	5%		Inertia (kgm² lb-ft²):	0,3322 9,2114
Power factor:	0,95		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	1,25			
Insulation class:	F			
Locked Rotor Code:	G			

Type A



	in.	mm
A:	22,05	560
B:	11,42	290
C:	12,20	310
D:	6,10	155
E:	10,04	255
ØG:	0,98	25
F:	3,54	90
H:	5,12	130
I:	5,39	137
L:	9,37	238
M:	8,27	210
N:	9,96	253

External cable diam.:	9-16mm
	0,354-0,630 inch
Serv. length req.per side(in):	137 mm (5,39 inch.)
Mounting bolts:	M24 (7/8")
Mounting bolt torque:	71 kgm (513 ft.-lb)

Approvals and certifications

CE	UK CA	2014/35/UE, 2011/65/UE
		UK SI 2016 No. 1101
cSP US		CSA C22.2 N°100-95 Class 4211 01
		Class II, Div. 2, Gr.FG, T3B
EAC		TR CU 010/2011
		EA3C N RU Д-IT.HX37.B.10628/20

VIBRATOR TECHNICAL DATA SHEET

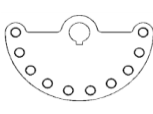
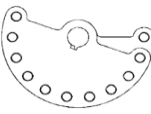
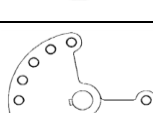
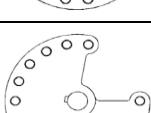
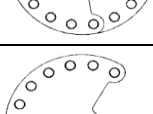
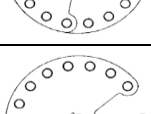
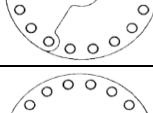
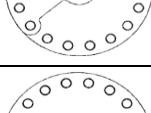
MODEL: MVS1 3/5000-S02 230/400V 50Hz 3PH

SERIE: AB FRAME SIZE: AF70 P/N: 600472A

RPM 3000

LAMELLAR WEIGHT ADJUSTMENTS

N_T  Total number of lamellas each side 9	N_R  Number of lamellas to adjust each side 4	N_F  Number of fixed lamellas each side 5
---	---	---

Weights Position	Static moment			Centrifugal Force			Bearing Life (hrs) w/1.3 Load Factor	Bearing Life (hrs) w/1.0 Load Factor	Weights Position	Static moment			Centrifugal Force			Bearing Life (hrs) w/1.3 Load Factor	Bearing Life (hrs) w/1.0 Load Factor
	%	kgmm	in.-lb	kg	lb	kN				%	kgmm	in.-lb	kg	lb	kN		
	100	515	44,8	5187	11411	50,9	5377	12893		98	505	43,9	5083	11183	49,8	5753	13793
	94	484	42,1	4876	10727	47,8	6608	15844		87	448	39,0	4513	9928	44,3	8552	20505
	78	402	34,9	4046	8901	39,7	12308	29511		66	340	29,6	3423	7532	33,6	21490	51529
	52	268	23,3	2697	5934	26,5	47569	>100000		36	185	16,1	1867	4108	18,3	>100000	>100000
	18	92,7	8,1	934	2054	9,2	>100000	>100000		0	0,0	0,0	0	0	0,0	>100000	>100000