

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 15/100-S02 230/400V 50Hz 3PH

SERIE: AD FRAME SIZE: 01 P/N: 601366A

IP66

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	37,9	3,30	95,3	210	0,93	83332	>100000
90	34,1	2,97	85,8	189	0,84	>100000	>100000
80	30,3	2,64	76,2	168	0,75	>100000	>100000
70	26,5	2,31	66,7	147	0,65	>100000	>100000
60	22,7	1,98	57,2	126	0,56	>100000	>100000
50	19,0	1,65	47,7	105	0,47	>100000	>100000
40	15,2	1,32	38,1	84	0,37	>100000	>100000
30	11,4	0,99	28,6	63	0,28	>100000	>100000
20	7,58	0,66	19,1	42	0,19	>100000	>100000
10	3,79	0,33	9,53	21	0,09	>100000	>100000

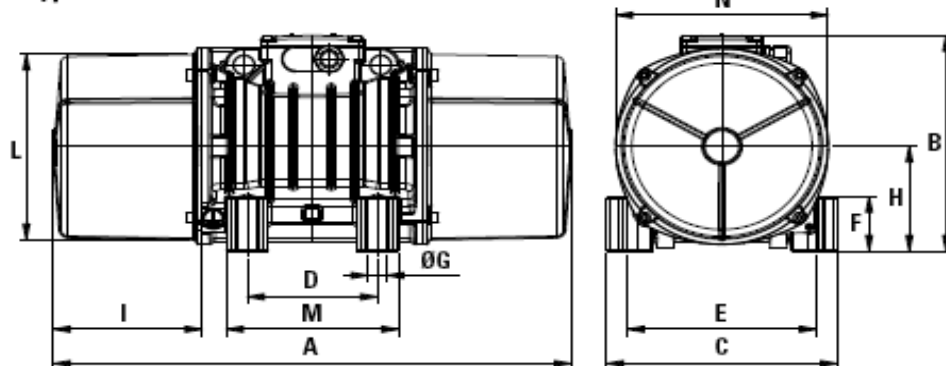
This unit is equipped with lamellar weights. See page 2 for adjustment details.

Weight:	14,6 lb (6,6 kg)	Bearing:	6302.2Z.C3
Working Moment:	6,6 in.-lb (7,6 kgcm)	Dynamic load:	2669 lb (1213 kg)
Max Static Moment:	3,3 in.-lb (37,9 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	2,2 0,25
Nominal current (amps):	0,36	0,21	Start torque:	3,1 0,35
Start current (amps):	0,64	0,37	Maximum torque:	4,3 0,48
Start/Nom. current ratio:	1,78		Start/nom. torque ratio:	1,40
Input power (watts):	85		Max/nom. torque ratio:	1,92
Output power (hp):	0,05		Starting time (sec):	1,25
Service Factor:	1,0		Duty cycle:	continuous
Efficiency:	41%		Max. Ambient Temp.:	+40°C (104 F)
Slip:	9%		Inertia kgm ² (lb-ft ²):	TBD TBD
Power factor:	0,58		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	342			
Insulation class:	F			
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 0,256-0,472 inch
Ser. length req.per side:	65 mm (2,56 inch.)
Mounting bolts:	M8 - (5/16")
Mounting bolt torque:	2,3kgm (16,5 ft.-lb)

Approvals and certifications

Ex	IECEx	UK CA	ATEX 2014/34/UE - IECEx - UK SI
			II2D Ex tb IIIC T120°C Db
CS US			CSA C22.2 N°100-95 Class 4211 01
			Class II, Div. 2, Gr.FG, T3B
ERC			TR CU 012/2011
			Cert. N° RU C-IT.HB07.B.00614/22
			GB/T 3836.1-2021, 3836.31-2021
			Ex tb IIIC T120°C Db

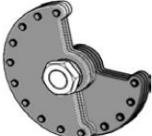
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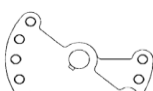
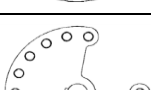
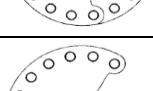
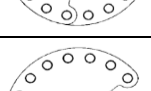
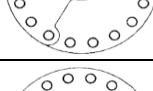
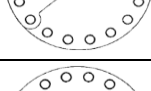
MODEL: MVS1 15/100-S02 230/400V 50Hz 3PH

SERIE: AD FRAME SIZE: 01 P/N: 601366A

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LAMELLAR WEIGHT ADJUSTMENTS

N_T  Total number of lamellas each side 8	N_R  Number of lamellas to adjust each side 3	N_F  Number of fixed lamellas each side 5
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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		37,9	3,3	95,3	210	0,93	83332	>100000		99		37,5	3,3	94,3	208	0,93	86009	>100000
	94		35,6	3,1	89,6	197	0,88	>100000	>100000		87		33,0	2,9	82,9	182	0,81	>100000	>100000
	77		29,2	2,5	73,4	161	0,72	>100000	>100000		65		24,6	2,1	61,9	136	0,61	>100000	>100000
	50		19,0	1,6	47,7	105	0,47	>100000	>100000		35		13,3	1,2	33,4	73	0,33	>100000	>100000
	19		7,2	0,6	18,1	40	0,18	>100000	>100000		7		2,7	0,2	6,7	15	0,07	>100000	>100000