

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	12,1	1,05	122	268	1,20	19923	43770
90	10,9	0,95	110	242	1,08	27180	59715
80	9,7	0,84	97,6	215	0,96	38912	85489
70	8,5	0,74	85,4	188	0,84	58084	>100000
60	7,3	0,63	73,2	161	0,72	92235	>100000
50	6,1	0,53	61,0	134	0,60	>100000	>100000
40	4,8	0,42	48,8	107	0,48	>100000	>100000
30	3,6	0,32	36,6	80,5	0,36	>100000	>100000
20	2,4	0,21	24,4	53,7	0,24	>100000	>100000
10	1,2	0,11	12,2	26,8	0,12	>100000	>100000

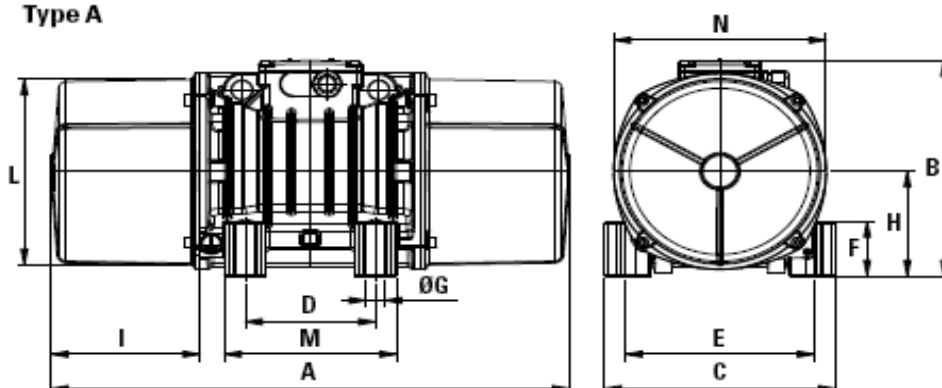
This unit is equipped with lamellar weights. See page 2 for adjustment details.

Weight:	5,2 kg (11,5 lb)	Bearing:	6302.2Z.C3
Working Moment:	2,42 kgcm (2,1 in.-lb)	Dynamic load:	2669 lb (1213 kg)
Max Static Moment:	12,1 kgmm (1,05 in.-lb)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	4,1 0,46
Nominal current (amps):	0,6	0,35	Start torque:	6,9 0,77
Start current (amps):	1,608	0,938	Maximum torque:	8,0 0,90
Start/Nom. current ratio:	2,68		Start/nom. torque ratio:	1,67
Input power (watts):	180		Max/nom. torque ratio:	1,96
Output power (hp):	0,18		Starting time (sec):	0,29
Service Factor:	1,0		Duty cycle:	continuous
Efficiency:	72%		Max. Ambient Temp.:	+40°C (104 F)
Slip:	8%		Inertia kgm ² (lb-ft ²):	0,00180 0,049914
Power factor:	0,74		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	115			
Insulation class:	F			
Locked Rotor Code:	C			

Type A



	in.	mm
A:	8,31	211
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:	1,81	46
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:	46 mm (1,81 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
EAC			TR CU 012/2011 Cert. N° RU C-IT.HB07.B.00614/22
CCC			GB/T 3836.1-2021, 3836.31-2021 Ex tb IIIC T120°C Db

VIBRATOR TECHNICAL DATA SHEET

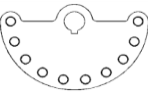
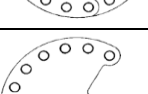
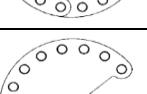
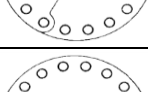
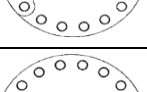
MODEL: MVSI 3/100-S02 230/400V 50Hz 3PH

SERIE: AC FRAME SIZE: 00 P/N: 600311A

RPM 3000

LAMELLAR WEIGHT ADJUSTMENTS

N_T  Total number of lamellas each side 3	N_R  Number of lamellas to adjust each side 1	N_F  Number of fixed lamellas each side 2
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	%	kgmm	in.-lb	kg	lb	kN				%	kgmm	in.-lb	kg	lb	kN		
	100	12,1	1,1	122	268	1,20	19923	43770		99	12,0	1,0	121	266	1,18	20421	44864
	95	11,5	1,0	116	255	1,14	23177	50920		88	10,6	0,9	107	236	1,05	29531	64880
	80	9,7	0,8	97,6	215	0,96	38912	85489		69	8,3	0,7	84,2	185	0,83	60603	>100000
	58	7,0	0,6	70,8	156	0,69	>100000	>100000		47	5,7	0,5	57,3	126	0,56	>100000	>100000
	37	4,5	0,4	45,1	99	0,44	>100000	>100000		33	4,0	0,3	40,3	89	0,39	>100000	>100000