

VIBRATOR TECHNICAL DATA SHEET

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

SERIE: AD FRAME SIZE: 20 P/N: 601372A

IP66

RPM 1500

MECHANICAL CHARACTERISTICS

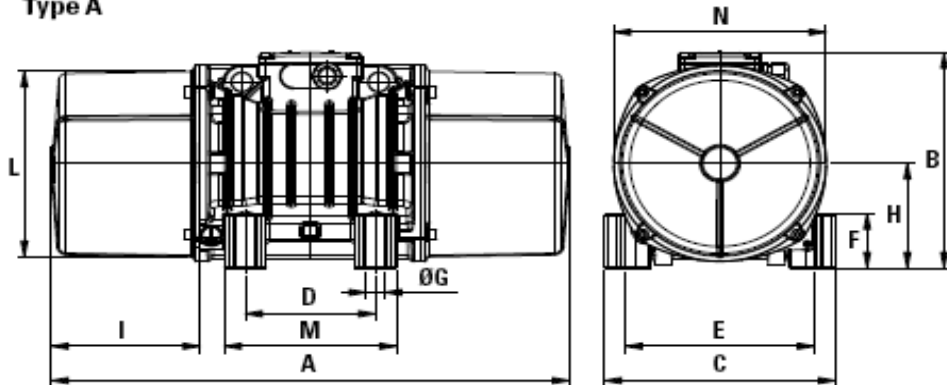
Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	163	14,2	412	906	4,04	15922	34981
90	147	12,8	371	816	3,64	21806	47907
80	130	11,3	330	725	3,23	30985	68074
70	114	9,92	288	634	2,83	46614	>100000
60	98	8,50	247	544	2,42	73893	>100000
50	82	7,09	206	453	2,02	>100000	>100000
40	65	5,67	165	363	1,62	>100000	>100000
30	49	4,25	124	272	1,21	>100000	>100000
20	33	2,83	82	181	0,81	>100000	>100000
10	16	1,42	41	91	0,40	>100000	>100000

Weight:	18,5 kg (40,8 lb)	Bearing:	6306.2Z.C3
Working Moment:	32,6 kgcm (28,4 in-lb)	Dynamic load:	6640 lb (3018 kg)
Max Static Moment:	163 kgmm (14,2 in-lb)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in-lb	Nm
Nominal input voltage:	230	400	13,5	1,51
Nominal current (amps):	1,04	0,6	24,5	2,75
Start current (amps):	3,5	2,0	30,4	3,41
Start/Nom. current ratio:	3,33		1,82	
Input power (watts):	300		2,26	
Output power (hp):	0,29		1,26	
Service Factor:	1,0		continuous	
Efficiency:	72%		+40°C (104 F)	
Slip:	9%		Inertia (kgm ² lb-ft ²):	0,0562 1,55843
Power factor:	0,72		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	48			
Insulation class:	F			
Locked Rotor Code:	E			

Type A



	in.	mm
A:	13,54	344
B:	7,99	203
C:	6,57	167
D:	4,13	105
E:	5,51	140
ØG:	0,51	13
F:	1,18	30
H:	3,248	82,5
I:	3,66	93
L:	5,71	145
M:	5,75	146
N:	6,30	160

External cable diam.:	9-16mm 0,354-0,630 inch.
Serv. length req.per side:	93 mm (3,66 inch.)
Mounting bolts:	M12 - (1/2")
Mounting bolt torque:	8 kgm (58 ft-lb)

Approvals and certifications

CE	IECEx	UK CA	ATEX 2014/34/UE - IECEx - UK SI II2D Ex tb IIIC T120°C Db
CSA			CSA C22.2 N°100-95 Class 4211 01 Class II, Div. 2, Gr.FG, T3B
TR CU			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