

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 15/400-S02 220/380V 60Hz 3PH

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

IP66

RPM 1800

MECHANICAL CHARACTERISTICS

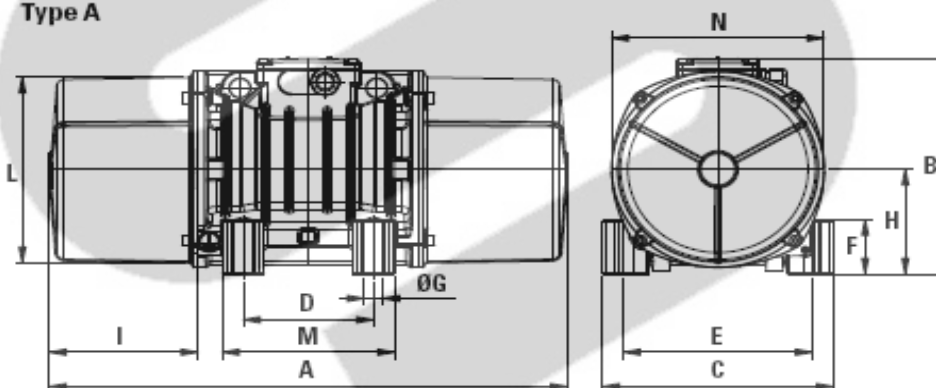
Weights Position	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	%	kgmm	in.-lb	kg	lb	kN	
100	113	9,83	411	904	4,03	13366	29364
90	102	8,84	370	814	3,63	18319	40247
80	90	7,86	329	723	3,22	26057	57247
70	79	6,88	288	633	2,82	38845	85342
60	68	5,90	247	543	2,42	61577	>100000
50	57	4,91	206	452	2,02	>100000	>100000
40	45	3,93	164	362	1,61	>100000	>100000
30	34	2,95	123	271	1,21	>100000	>100000
20	23	1,97	82	181	0,81	>100000	>100000
10	11	0,98	41	90	0,40	>100000	>100000

Weight:	36,3 lb (16,5 kg)	Bearing:	6306.2Z.C3
Working Moment:	19,7 in.-lb (22,6 kgcm)	Dynamic load:	6640 lb (3018 kg)
Max Static Moment:	9,8 in.-lb (113 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	460	14,1	1,58
Nominal current (amps):	1,2	0,6	23,8	2,67
Start current (amps):	4,2	2,1	26,8	3,01
Start/Nom. current ratio:	3,5		1,69	
Input power (watts):	350		1,91	
Output power (hp):	0,37		1,0	
Service Factor:	1,0		continuous	
Efficiency:	79%		+40°C (104 F)	
Slip:	7%		Inertia kgm ² (lb-ft ²):	0,03690 1,0232
Power factor:	0,73		Inverter Duty:	20Hz to 60Hz
Coil resist (Ω @ 20°C):	47			
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:	3,25	82,5
I:	3,66	93
L:	5,71	145
M:	5,75	146
N:	6,30	160

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

Approvals and certifications

Ex	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 012/2011
			Cert. N° RU C-IT.HB07.B.00614/22
			Ex tD A21 IP66 T120°C
			Cert. N. 2020322301003125