

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 15/6000-S02 230/400V 50Hz 3PH

SERIE: AE FRAME SIZE: 80 P/N: 601447A

IP66

RPM 1500

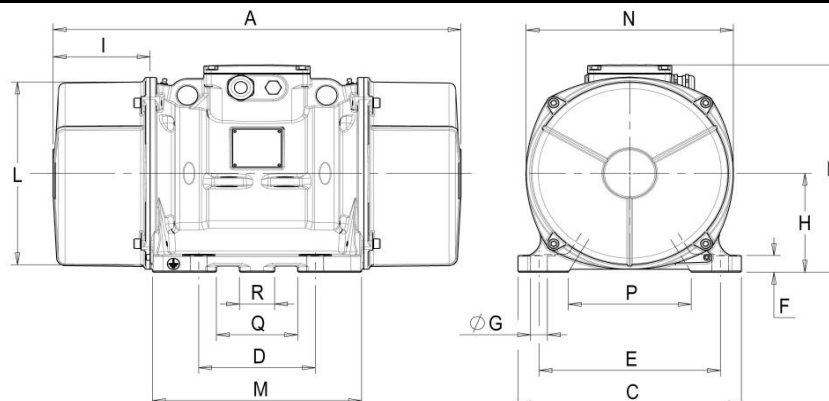
MECHANICAL CHARACTERISTICS

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	2248	195	5654	12439	55,4	10962	26272
90	2023	176	5089	11195	49,9	15563	37316
80	1798	156	4523	9951	44,4	23055	55282
70	1574	137	3958	8707	38,8	35970	86249
60	1349	117	3392	7463	33,3	60165	>100000
50	1124	97,7	2827	6219	27,7	>100000	>100000
40	899	78,2	2262	4976	22,2	>100000	>100000
30	674	58,6	1696	3732	16,6	>100000	>100000
20	450	39,1	1131	2488	11,1	>100000	>100000
10	225	19,5	565	1244	5,54	>100000	>100000

Weight:	164 kg (360 lb)	Bearing:	NJ 2313 E C4
Working Moment:	450 kgcm (390 in.-lb)	Dynamic load:	63934 lb (29061 kg)
Max Static Moment:	2248 kgmm (195 in.-lb)	Lube schedule:	2200 hours

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	173	19,4
Nominal current (amps):	10,4	6,0	464	52,0
Start current (amps):	73,0	42,1	553	62,0
Start/Nom. current ratio:	7,02		2,68	
Input power (watts):	3600		3,2	
Output power (hp):	4,0		1,75	
Service Factor:	1,0		continuous	
Efficiency:	83%		+40°C (104 F)	
Slip:	3%		Inertia kgm² (lb-ft²):	TBD TBD
Power factor:	0,87		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	1,43			
Insulation class:	F			
Locked Rotor Code:	J			



	in.	mm
A:	24,80	630
B:	13,62	346
C:	13,58	345
D:	7,09	180
E:	11,02	280
ØG:	1,02	26
F:	1,10	28
H:	6,50	165
I:	5,91	150
L:	11,93	303
M:	12,72	323
N:	12,60	320
P:	7,48	190
Q:	4,92	125
R:	2,13	54

External cable diam.:	13-20mm
Serv. length req.per side:	0,512-0,787 inch
Mounting bolts:	150 mm (5,91 inch.)
Mounting bolt torque:	M24 - (15/16")
	71 kgm (513 ft.-lb)

Approvals and certifications

CE	IECEx	UK CA	ATEX 2014/34/UE - IECEx - UK SI
			II2D Ex tb IIIC T135°C Db
CSA			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
			Ex tD A21 IP66 T135°C
			Cert. N. 2020322301003125