

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 15/1410-S02 230/400V 50Hz 3PH

SERIE: AE FRAME SIZE: 40 P/N: 601217A

IP66

RPM 1500

MECHANICAL CHARACTERISTICS

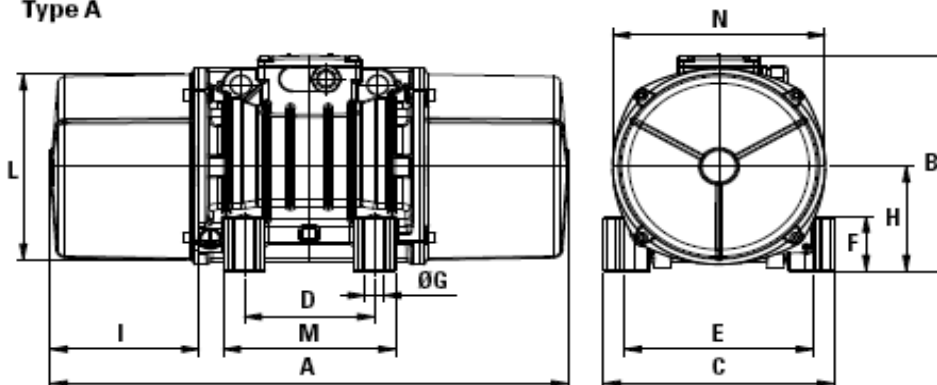
Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	561	48,8	1413	3109	13,9	17170	41170
90	505	43,9	1272	2798	12,5	24375	58447
80	449	39,0	1130	2487	11,1	36167	86720
70	393	34,1	989	2176	9,70	56396	>100000
60	337	29,3	848	1865	8,31	94171	>100000
50	281	24,4	707	1554	6,93	>100000	>100000
40	224	19,5	565	1243	5,54	>100000	>100000
30	168	14,6	424	933	4,16	>100000	>100000
20	112	9,8	283	622	2,77	>100000	>100000
10	56,1	4,9	141	311	1,39	>100000	>100000

Weight:	41,2 kg (90,8 lb)	Bearing:	NJ 2208 E C4
Working Moment:	112 kgcm (97,6 in.-lb)	Dynamic load:	18282 lb (8310kg)
Max Static Moment:	561 kgmm (48,8 in.-lb)	Lube schedule:	5000 hours

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	42,7	4,8
Nominal current (amps):	2,51	1,45	72,3	8,1
Start current (amps):	10,3	5,9	110	12,4
Start/Nom. current ratio:	4,1		1,69	
Input power (watts):	900		2,58	
Output power (hp):	1,0		1,82	
Service Factor:	1,0		continuous	
Efficiency:	82%		+40°C (104 F)	
Slip:	7%		Inertia kgm ² (lb-ft ²):	0,25860 7,1710
Power factor:	0,90		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	15,0			
Insulation class:	F			
Locked Rotor Code:	D			

Type A



	in.	mm
A:	17,64	448
B:	9,61	244
C:	9,06	230
D:	5,51	140
E:	7,48	190
ØG:	0,67	17
F:	1,77	45
H:	4,57	116
I:	4,25	108
L:	8,15	207
M:	7,48	190
N:	8,86	225

External cable diam.:	9-16mm
Service length req.per side:	0,354-0,630 inch
Mounting bolts:	108 mm (4,25 inch.)
Mounting bolt torque:	M16 - (5/8")
	19kgm (137 ft.-lb)

Approvals and certifications

CE	IECEx	UK CA	ATEX 2014/34/UE - IECEx - UK SI
			II2D Ex tb IIC 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
			Ex tD A21 IP66 T120°C
			Cert. N. 2020322301003125