

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 3/2010-S90 230/400V 50Hz 3PH

SERIE: AA FRAME SIZE: AF50 P/N: 600256A

IP66

RPM 3000

MECHANICAL CHARACTERISTICS

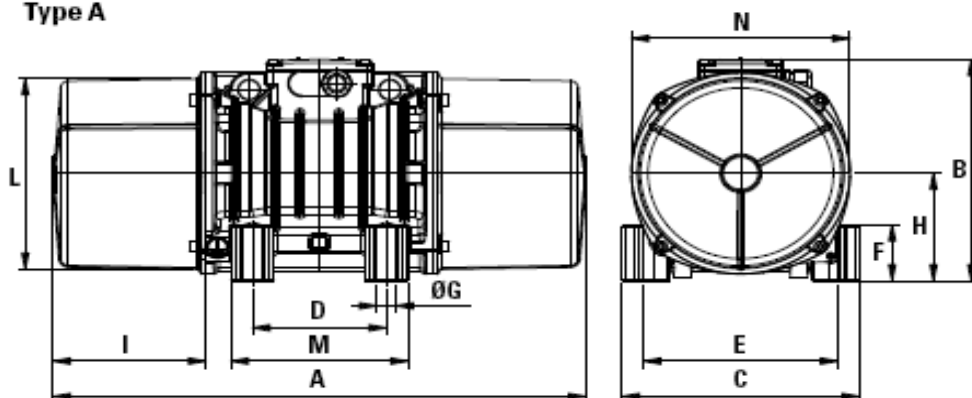
Weights Position	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	%	kgmm	in.-lb	kg	lb	kN	
100	205	17,8	2059	4530	20,2	11310	27119
98	201	17,5	2018	4439	19,8	12094	28999
94	193	16,8	1935	4258	19,0	13912	33357
87	178	15,5	1791	3941	17,6	18002	43166
77	158	13,7	1585	3488	15,5	27053	64868
64	131	11,4	1318	2899	12,9	50034	>100000
50	103	8,9	1030	2265	10,1	>100000	>100000
34	70	6,1	700	1540	6,87	>100000	>100000
17	35	3,0	350	770	3,43	>100000	>100000

Weight:	48,7 kg (107 lb)	Bearing:	NJ 2308 E C4
Working Moment:	41 kgcm (35,6 in.-lb)	Dynamic load:	28939 lb (13154 kg)
Max Static Moment:	205 kgmm (17,8 in.-lb)	Lube schedule:	1900 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm	
Nominal input voltage:	230	400	Nominal torque:	50	5,6
Nominal current (amps):	6,1	3,5	Start torque:	130	14,6
Start current (amps):	28,2	16,2	Maximum torque:	208	23,3
Start/Nom. current ratio:	4,62		Start/nom. torque ratio:	2,61	
Input power (watts):	2200		Max/nom. torque ratio:	4,16	
Output power (hp):	2,2		Starting time (sec):	0,76	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	75%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	6,3%		Inertia (kgm² lb-ft²):	0,0933	2,5869
Power factor:	0,91		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	3,9				
Insulation class:	F				
Locked Rotor Code:	E				

Type A



	in.	mm
A:	18,31	465
B:	9,13	232
C:	9,06	230
D:	5,51	140
E:	7,48	190
ØG:	0,67	17
F:	1,93	49
H:	4,09	104
I:	4,13	105
L:	7,20	183
M:	7,09	180
N:	7,87	200

External cable diam.:	9-16mm
	0,354-0,630 inch
Serv. length req.per side:	105mm (4,13 inch.)
Mounting bolts:	M16 - (5/8")
Mounting bolt torque:	19 kgm (137 ft.-lb)

Approvals and certifications

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