

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/650-S02 230/400V 50Hz 3PH

SERIE: AF FRAME SIZE: 35 P/N: 602403A

IP66

RPM 1000

MECHANICAL CHARACTERISTICS

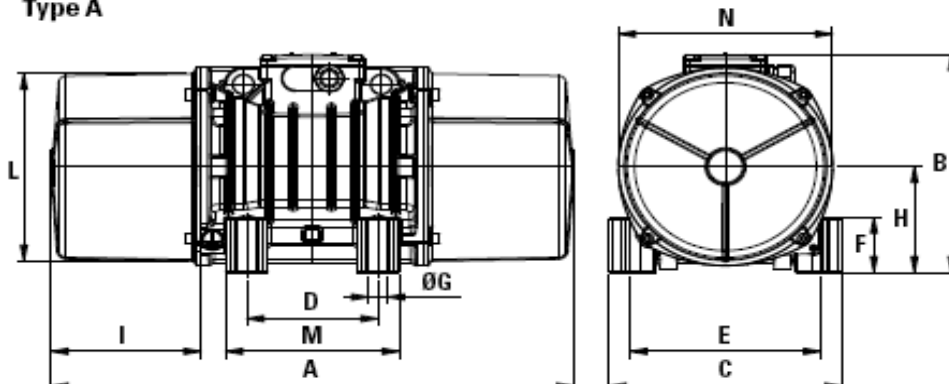
Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	580	50,4	650	1430	6,37	17750	38996
90	522	45,4	585	1287	5,74	24348	53492
80	464	40,3	520	1144	5,10	34667	76164
70	406	35,3	455	1001	4,46	51748	>100000
60	348	30,3	390	858	3,82	82174	>100000
50	290	25,2	325	715	3,19	>100000	>100000
40	232	20,2	260	572	2,55	>100000	>100000
30	174	15,1	195	429	1,91	>100000	>100000
20	116	10,1	130	286	1,27	>100000	>100000
10	58,0	5,0	65	143	0,64	>100000	>100000

Weight:	35,5 kg (78,3 lb)	Bearing:	6308.2Z.C3
Working Moment:	116 kgcm (101 in-lb)	Dynamic load:	9489 lb (4313kg)
Max Static Moment:	580 kgmm (50,4 in-lb)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in-lb		Nm
Nominal input voltage:	230	400	Nominal torque:	20,5	2,30
Nominal current (amps):	1,65	0,95	Start torque:	79,4	8,90
Start current (amps):	5,21	3,00	Maximum torque:	60,7	6,80
Start/Nom. current ratio:	3,16		Start/nom. torque ratio:	3,87	
Input power (watts):	350		Max/nom. torque ratio:	2,96	
Output power (hp):	0,31		Starting time (sec):	1,40	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	65%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	7%		Inertia (kgm² lb-ft²):	0,2604	7,2200
Power factor:	0,53		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	35				
Insulation class:	F				
Locked Rotor Code:	H				

Type A



	in.	mm
A:	18,90	480
B:	8,82	224
C:	8,07	205
D:	4,72	120
E:	6,69	170
ØG:	0,67	17
F:	1,65	42
H:	4,114	104,5
I:	5,51	140
L:	7,36	187
M:	6,38	162
N:	7,99	203

External cable diam.:	9 ÷ 16 mm
Serv. length req.per side:	0,354 ÷ 0,630 inch.
Mounting bolts:	140 mm (5,51 inch.)
Mounting bolt torque:	M 16 - (5/8")
	19 kgm (137 ft-lb)

Approvals and certifications

	CSA C22.2 N°100-95 Class 4211 01
	Class II, Div. 2, Gr.FG, T3B