

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVS1 10/1110-S08 240/415V 50Hz 3PH

SERIE: AB FRAME SIZE: 50 P/N: 602381A

RPM 1000

MECHANICAL CHARACTERISTICS

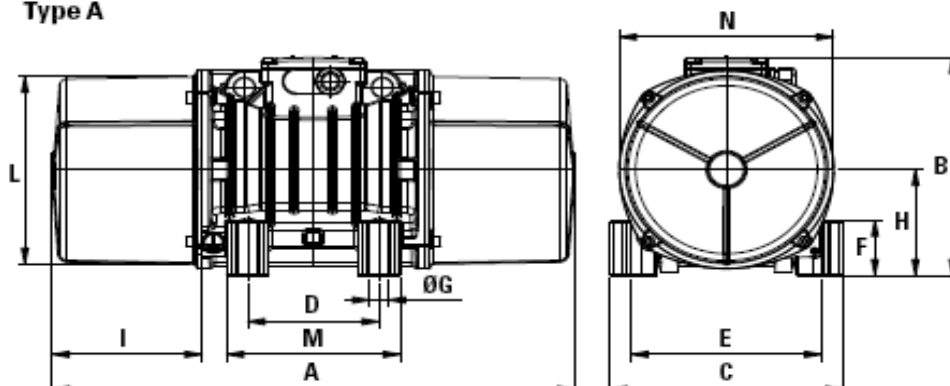
Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	1012	88,0	1132	2490	11,1	18064	39688
90	911	79,2	1019	2241	9,99	24765	54409
80	810	70,4	906	1992	8,88	35235	77412
70	708	61,6	792	1743	7,77	52746	>100000
60	607	52,8	679	1494	6,66	83706	>100000
50	506	44,0	566	1245	5,55	>100000	>100000
40	405	35,2	453	996	4,44	>100000	>100000
30	304	26,4	340	747	3,33	>100000	>100000
20	202	17,6	226	498	2,22	>100000	>100000
10	101	8,8	113	249	1,11	>100000	>100000

Weight:	122 lb (55,5 kg)	Bearing:	6311.2Z.C3
Working Moment:	176 in-lb (2024 kgmm)	Dynamic load:	16623 lb (7556kg)
Max Static Moment:	88 in-lb (1012 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

				in-lb	Nm
Nominal input voltage:	240	415	Nominal torque:	51,3	5,75
Nominal current (amps):	2,75	1,59	Start torque:	112	12,6
Start current (amps):	9,2	5,3	Maximum torque:	138	15,5
Start/Nom. current ratio:	3,33		Start/nom. torque ratio:	2,19	
Input power (watts):	750		Max/nom. torque ratio:	2,70	
Output power (hp):	0,74		Starting time (sec):	1,62	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	73%		Max. Ambient Temp.:	50°C (122F)	
Slip:	8%		Inertia (lb-ft²):	13,8012	
Power factor:	0,66		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	15,3		Operating Temp. Code:	N/A	
Insulation class:	F		Capacitance (μF):	N/A	
Locked Rotor Code:	F				

Type A



	in.	mm
A:	22,60	574
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:	6,73	171
L:	8,15	207
M:	7,48	190
N:	8,86	225

External cable diam. (in):	0,354 to 0,630
Serv. length req.per side(in):	6,73
Mounting bolts:	5/8" - (M16)
Mounting bolt torque:	137 ft-lb (19 kgm)