

VIBRATOR TECHNICAL DATA SHEET

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

SERIE: AB FRAME SIZE: 30 P/N: 602241A

RPM 1000

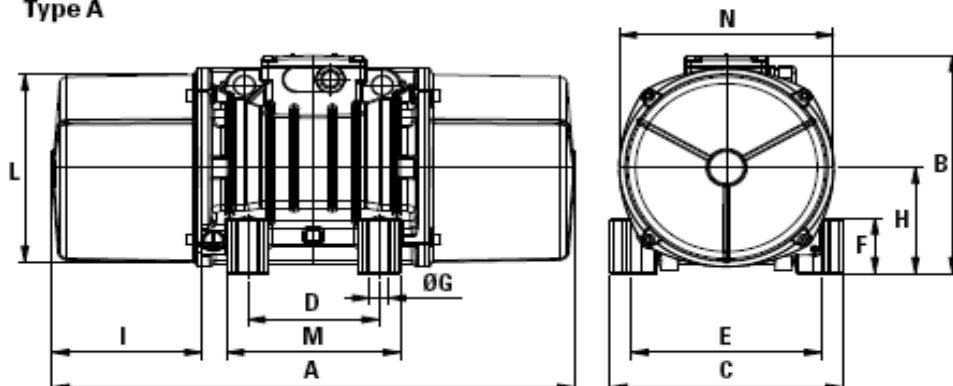
MECHANICAL CHARACTERISTICS

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	357	31,0	400	880	3,92	>100000	>100000
90	321	27,9	360	792	3,53	>100000	>100000
80	286	24,8	320	704	3,14	>100000	>100000
70	250	21,7	280	616	2,75	>100000	>100000
60	214	18,6	240	528	2,35	>100000	>100000
50	179	15,5	200	440	1,96	>100000	>100000
40	143	12,4	160	352	1,57	>100000	>100000
30	107	9,31	120	264	1,18	>100000	>100000
20	71,4	6,21	80	176	0,78	>100000	>100000
10	35,7	3,10	40	88	0,39	>100000	>100000
Weight:			63,9 lb (29 kg)		Bearing:		
Working Moment:			62 in-lb (71,4 kgcm)		Dynamic load:		
Max Static Moment:			31 in-lb (357 kgmm)		Lube schedule:		
					6309.2Z.C4		
					12406 lb (5639kg)		
					Lubricated for life		

ELECTRICAL CHARACTERISTICS

				in-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	20,87	2,34
Nominal current (amps):	1,25	0,72	Start torque:	33,90	3,8
Start current (amps):	3,3	1,9	Maximum torque:	37,46	4,2
Start/Nom. current ratio:	2,63		Start/nom. torque ratio:	1,62	
Input power (watts):	350		Max/nom. torque ratio:	1,79	
Output power (hp):	0,29		Starting time (sec):	1,60	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	63%		Max. Ambient Temp.:	40°C (104 F)	
Slip:	9%		Inertia kgm ² (lb-ft ²):	0,10850	3,0087
Power factor:	0,70		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	49		Operating Temp. Code:	N/A	
Insulation class:	F		Capacitance (μF):	N/A	
Locked Rotor Code:	E				

Type A



	in.	mm
A:	15,51	394
B:	8,50	216
C:	8,07	205
D:	4,72	120
E:	6,69	170
ØG:	0,67	17
F:	1,77	45
H:	3,68	93
I:	4,17	106
L:	6,69	170
M:	6,85	174
N:	7,17	182

External cable diam.:	9 to 16 mm
Serv. length req.per side:	106mm (4,17inch.)
Mounting bolts:	5/8" - (M16)
Mounting bolt torque:	137 ft-lb (19 kgm)