

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/5150-S02 230/400V 50Hz 3PH

SERIE: AF FRAME SIZE: 80 P/N: 602350A

IP66

RPM 1000

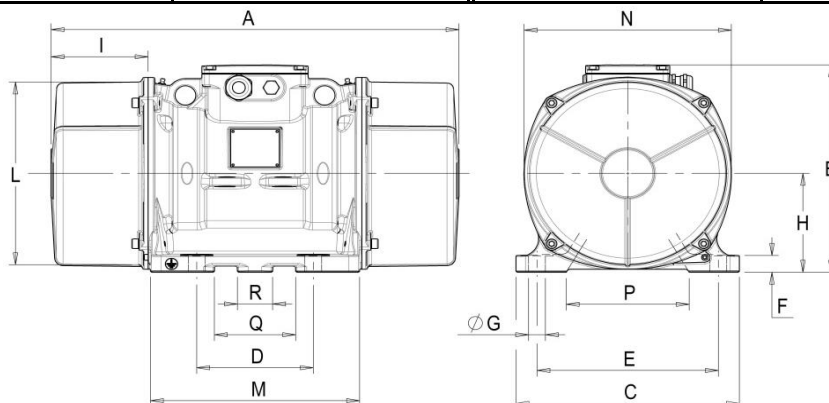
MECHANICAL CHARACTERISTICS

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	4678	407	5230	11506	51,3	21321	51101
90	4210	366	4707	10355	46,2	30279	72602
80	3742	325	4184	9205	41,0	44838	>100000
70	3275	285	3661	8054	35,9	70008	>100000
60	2807	244	3138	6904	30,8	>100000	>100000
50	2339	203	2615	5753	25,6	>100000	>100000
40	1871	163	2092	4602	20,5	>100000	>100000
30	1403	122	1569	3452	15,4	>100000	>100000
20	936	81	1046	2301	10,3	>100000	>100000
10	468	41	523	1151	5,13	>100000	>100000

Weight:	225 kg (495 lb)	Bearing:	NJ 2313 E C4
Working Moment:	950 kgcm (826 in.-lb)	Dynamic load:	63934 lb (29061 kg)
Max Static Moment:	4678 kgmm (413 in.-lb)	Lube schedule:	4300 hours

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	231	25,9
Nominal current (amps):	11,3	6,5	669	75,0
Start current (amps):	59,2	34,1	669	75,0
Start/Nom. current ratio:	5,24		2,90	
Input power (watts):	3200		2,90	
Output power (hp):	3,5		2,0	
Service Factor:	1,0		continuous	
Efficiency:	81,5%		+40°C (104 F)	
Slip:	3,7%		Inertia kgm² (lb-ft²):	
Power factor:	0,75		3,8565 106,9407	
Coil resist (Ω @ 20°C):	1,6		Inverter Duty:	
Insulation class:	F		20Hz to 50Hz	
Locked Rotor Code:	H			



	in.	mm
A:	32,60	828
B:	13,62	346
C:	13,58	345
D:	7,09	180
E:	11,02	280
ØG:	1,02	26
F:	1,10	28
H:	6,50	165
I:	9,80	249
L:	11,93	303
M:	12,72	323
N:	12,60	320
P:	7,48	190
Q:	1,40	125
R:	2,13	54

External cable diam.:	13 to 20 mm
Serv. length req.per side:	0,512 to 0,787 inch.
Mounting bolts:	249 mm (9,80 inch)
Mounting bolt torque:	M24 - (1")
	71 kgm (644 ft.-lb)

Approvals and certifications

  	ATEX 2014/34/UE - IECEx - UK SI
	II2D Ex tb IIIC T135°C Db
	CSA C22.2 N°100-95 Class 4211 01
	Class II, Div. 2, Gr.FG, T3B
	TR CU 012/2011
	Cert. N° RU C-IT.HB07.B.00614/22
	Ex tD A21 IP66 T135°C
	Cert. N. 2020322301003125