

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 3/6510-S02 230/400V 50Hz 3PH

SERIE: AI FRAME SIZE: 90 P/N: 600276A

IP66

RPM 3000

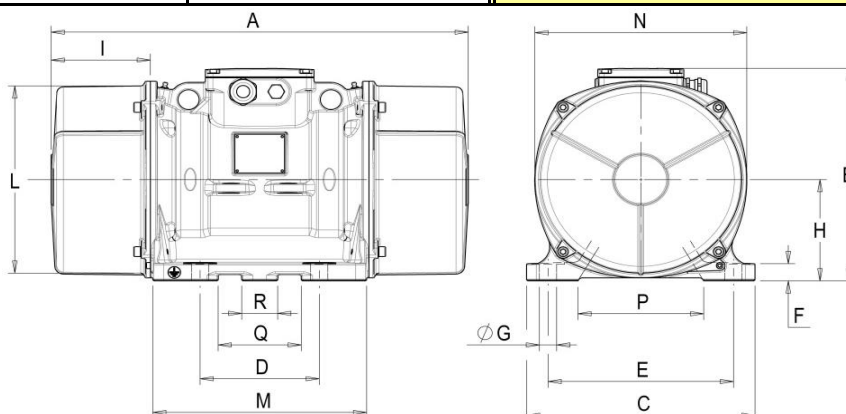
MECHANICAL CHARACTERISTICS

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	630	54,8	6357	13985	62,3	9671	23188
90	567	49,3	5721	12587	56,1	13742	32951
80	504	43,8	5086	11188	49,9	20341	48774
70	441	38,3	4450	9790	43,6	31751	76133
60	378	32,9	3814	8391	37,4	53092	>100000
50	315	27,4	3179	6993	31,2	97423	>100000
40	252	21,9	2543	5594	24,9	>100000	>100000
30	189	16,4	1907	4196	18,7	>100000	>100000
20	126	11,0	1271	2797	12,5	>100000	>100000
10	63	5,5	636	1399	6,23	>100000	>100000

Weight:	184 kg (406 lb)	Bearing:	NJ 2315 E C4
Working Moment:	126 kgcm (110 in-lb)	Dynamic load:	85246 lb (38748 kg)
Max Static Moment:	630kgmm (54,8 in-lb)	Lube schedule:	500 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm	
Nominal input voltage:	230	400	Nominal torque:	135	15,1
Nominal current (amps):	15,9	9,2	Start torque:	262	29,4
Start current (amps):	103	59,3	Maximum torque:	429	48,1
Start/Nom. current ratio:	6,45		Start/nom. torque ratio:	1,95	
Input power (watts):	5500		Max/nom. torque ratio:	3,19	
Output power (hp):	6,2		Starting time (sec):	2,3	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	84%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	4,5%		Inertia (kgm² lb-ft²):	0,5757	15,964
Power factor:	0,86		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	1,08		Equipped with 130°C PTC Thermistor (DIN VDE V 0898-1-401)		
Insulation class:	F				
Locked Rotor Code:	H				



	in.	mm
A:	29,29	744
B:	14,33	364
C:	14,96	380
D:	7,87	200
E:	12,60	320
ØG:	1,10	28
F:	1,10	28
H:	7,20	183
I:	7,56	192
L:	12,95	329
M:	13,62	346
N:	14,02	356
P:	8,66	220
Q:	5,28	134
R:	2,56	65

External cable diam.:	13 to 20 mm
Serv. length req.per side:	0,512 to 0,787 inch.
Mounting bolts:	192 mm (7,56 inch)
Mounting bolt torque:	M27 - 1"
	89kgm (645 ft-lb)

Approvals and certifications

Ex	IECEx	UK CA	ATEX 2014/34/UE - IECEx - UK SI
			II2D Ex tb IIIC T135°C Db
CSA	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			GB/T 3836.1-2021, 3836.31-2021
			Ex tb IIIC T135°C Db