

# VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/200-S02 230/400V 50Hz 3PH

SERIE: AC FRAME SIZE: 20 P/N: 602298A

IP66

RPM 1000

## MECHANICAL CHARACTERISTICS

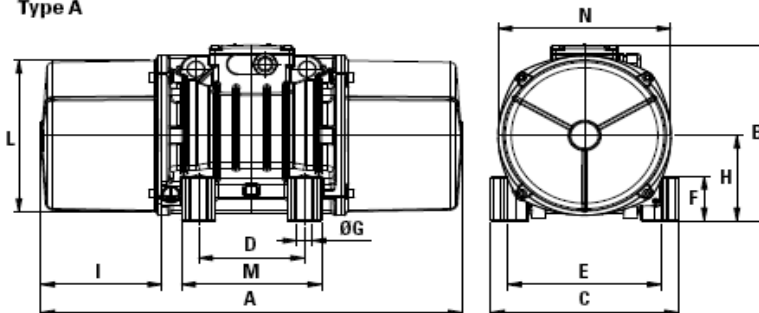
Weights Position	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	163	14,2	183	403	1,79	>100000	>100000
90	147	12,8	165	362	1,62	>100000	>100000
80	130	11,3	146	322	1,44	>100000	>100000
70	114	9,9	128	282	1,26	>100000	>100000
60	97,8	8,5	110	242	1,08	>100000	>100000
50	81,5	7,1	92	201	0,90	>100000	>100000
40	65,2	5,7	73	161	0,72	>100000	>100000
30	48,9	4,3	55	121	0,54	>100000	>100000
20	32,6	2,8	37	81	0,36	>100000	>100000
10	16,3	1,4	18	40	0,18	>100000	>100000

Weight:	18,1 kg (39,9 lb)	Bearing:	6306.2Z.C3
Working Moment:	32,6 kgcm (28,4 in-lb)	Dynamic load:	6640 lb (3018 kg)
Max Static Moment:	163 kgmm (14,2 in-lb)	Lube schedule:	Lubricated for life

## ELECTRICAL CHARACTERISTICS

			in-lb	Nm
Nominal input voltage:	230	400	Nominal torque:	9,10   1,02
Nominal current (amps):	0,86	0,50	Start torque:	21,85   2,45
Start current (amps):	2,34	1,36	Maximum torque:	24,08   2,70
Start/Nom. current ratio:	2,72		Start/nom. torque ratio:	2,40
Input power (watts):	185		Max/nom. torque ratio:	2,65
Output power (hp):	0,13		Starting time (sec):	0,91
Service Factor:	1,0		Duty cycle:	continuous
Efficiency:	52,5%		Max. Ambient Temp.:	+40°C (104 F)
Slip:	6%		Inertia (kgm <sup>2</sup> lb-ft <sup>2</sup> ):	0,0562   1,558
Power factor:	0,53		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	68			
Insulation class:	F			
Locked Rotor Code:	J			





Type A



	in.	mm
A:	13,54	344
B:	7,99	203
C:	6,57	167
D:	4,13	105
E:	5,51	140
ØG:	0,51	13
F:	1,18	30
H:	3,25	82,5
I:	3,66	93
L:	5,71	145
M:	5,75	146
N:	6,30	160

External cable diam.:	9-16 mm
	0,354-0,630 inch
Cable gland size and thread:	M25x1,5
Serv. length req.per side:	93 mm (3,66 inch)
Mounting bolts:	M12 - (1/2")
Mounting bolt torque:	8kgm (58 ft-lb)

### Approvals and certifications

	ATEX 2014/34/UE - IECEx - UK SI
	II2D Ex tb IIIC T120°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 T120°C
	Cert. N. 2020322301003125