

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 10/1610-S08 230/400V 50Hz 3PH

SERIE: AC FRAME SIZE: 60 P/N: 602406AC

IP66

RPM 1000

MECHANICAL CHARACTERISTICS

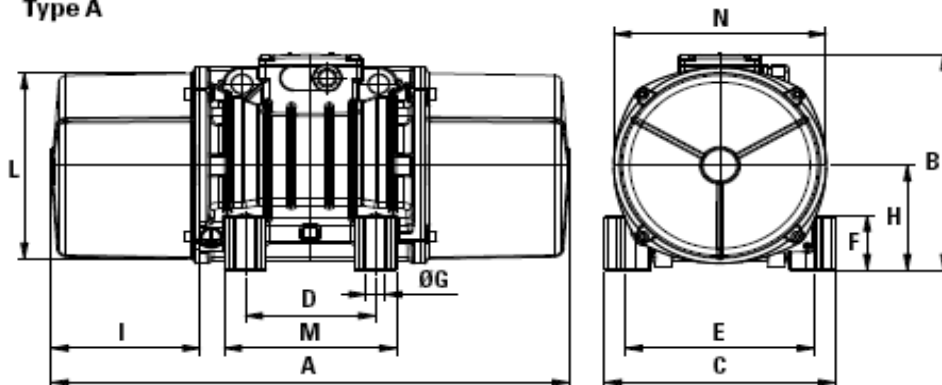
Weights Position	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	%	kgmm	in.-lb	kg	lb	kN	
100		1464	127	1638	3604	16,06	13583
90		1318	115	1474	3243	14,46	18639
80		1171	102	1310	2883	12,85	26553
70		1025	89,1	1147	2523	11,24	39558
60		878	76,4	983	2162	9,64	62844
50		732	63,6	819	1802	8,03	>100000
40		586	50,9	655	1441	6,43	>100000
30		439	38,2	491	1081	4,82	>100000
20		293	25,5	328	721	3,21	>100000
10		146	12,7	164	360	1,61	>100000

Weight:	176 lb (80 kg)	Bearing:	6313.2Z.C3
Working Moment:	254 in.-lb (293 kgcm)	Dynamic load:	21872 lb (9942 kg)
Max Static Moment:	127 in.-lb (1464 kgmm)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

			in.-lb	Nm
Nominal input voltage:	230	400	75,8	8,50
Nominal current (amps):	3,8	2,2	152,5	17,1
Start current (amps):	16,0	9,3	170,4	19,1
Start/Nom. current ratio:	4,21		2,01	
Input power (watts):	1100		2,25	
Output power (hp):	1,1		1,88	
Service Factor:	1,0		continuous	
Efficiency:	74,6%		+40°C (104 F)	
Slip:	6%		Inertia (kgm ² lb-ft ²):	0,800 22,194
Power factor:	0,73		Inverter Duty:	20Hz to 50Hz
Coil resist	8,25			
	F			
Locked Rotor Code:	G			

Type A



	in.	mm
A:	24,29	617
B:	10,71	272
C:	10,83	275
D:	6,10	155
E:	8,86	225
ØG:	0,87	22
F:	2,76	70
H:	5,12	130
I:	6,97	177
L:	9,37	238
M:	8,27	210
N:	9,96	253

External cable diam.:	9-16 mm
	0,354-0,630 inch
Serv. length req.per side:	177 mm (6,97 inch)
Mounting bolts:	M20 - (3/4")
Mounting bolt torque:	38kgm (275 ft.-lb)

Approvals and certifications

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