

VIBRATOR TECHNICAL DATA SHEET

MODEL: VM 10/2100-S08 230/400V 50Hz 3PH

SERIE: AD FRAME SIZE: 60 P/N: 602362A

IP66

RPM 1000

MECHANICAL CHARACTERISTICS

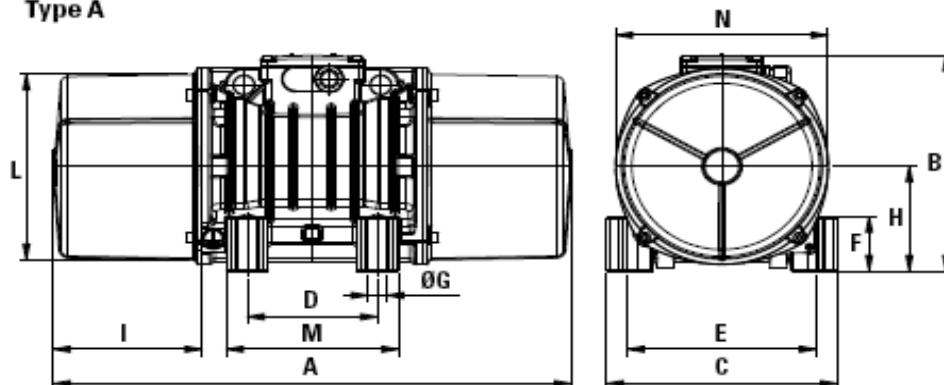
Weights Position	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	%	kgmm	in.-lb	kg	lb	kN	
100		1927	168	2154	4739	21,12	5973
90		1734	151	1939	4265	19,01	8188
80		1542	134	1723	3791	16,90	11670
70		1349	117	1508	3317	14,79	17407
60		1156	101	1292	2843	12,67	27678
50		964	83,8	1077	2369	10,56	47783
40		771	67,0	862	1896	8,45	93197
30		578	50,3	646	1422	6,34	>100000
20		385	33,5	431	948	4,22	>100000
10		193	16,8	215	474	2,11	>100000

Weight:	93 klg (205 lb)	Bearing:	6313.2Z.C3
Working Moment:	385 kgcm (336 in-lb)	Dynamic load:	21872 lb (9942 kg)
Max Static Moment:	1927 kgmm (168 in-lb)	Lube schedule:	Lubricated for life

ELECTRICAL CHARACTERISTICS

		in-lb	Nm
Nominal input voltage:	230 400	102	11,4
Nominal current (amps):	5,2 3,0	175	19,6
Start current (amps):	17,8 10,3	193	21,6
Start/Nom. current ratio:	3,42	1,72	
Input power (watts):	1500	1,89	
Output power (hp):	1,5	2,1	
Service Factor:	1,0	continuous	
Efficiency:	70%	+40°C (104 F)	
Slip:	8%	Inertia kgm ² (lb-ft ²): 1,0171 28,2036	
Power factor:	0,80	Inverter Duty: 20Hz to 50Hz	
Coil resist (Ω @ 20°C):	7,3		
Insulation class:	F		
Locked Rotor Code:	E		

Type A



	in.	mm
A:	26,10	663
B:	10,71	272
C:	10,83	275
D:	6,54	166
E:	9,02	229
ØG:	0,87	22
F:	2,76	70
H:	5,12	130
I:	7,87	200
L:	9,37	238
M:	8,27	210
N:	9,96	253

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

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
	GB/T 3836.1-2021, 3836.31-2021
	Ex tb IIIC T135°C Db