

VIBRATOR TECHNICAL DATA SHEET

MODEL: VM 10/6500-S02 230/400V 50Hz 3PH

SERIE: AG FRAME SIZE: 90 P/N: 602112A

IP66

RPM 1000

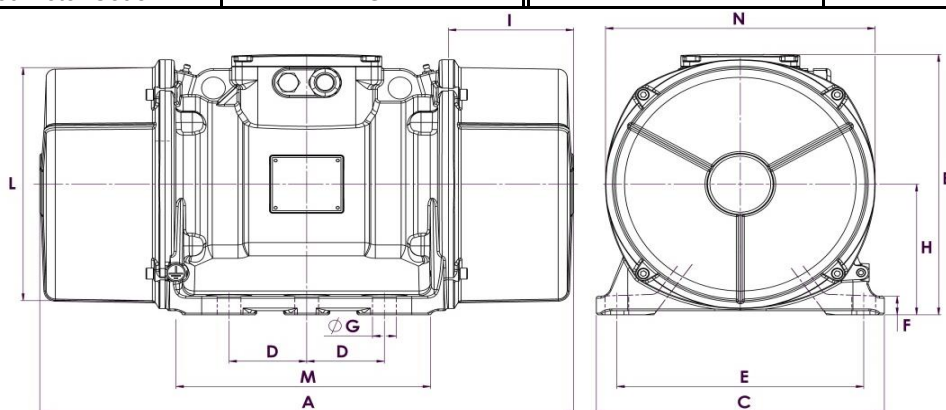
MECHANICAL CHARACTERISTICS

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	5838	508	6527	14359	64,0	26569	63706
90	5254	457	5874	12923	57,6	37755	90528
80	4670	406	5222	11488	51,2	55885	>100000
70	4087	355	4569	10052	44,8	87233	>100000
60	3503	305	3916	8616	38,4	>100000	>100000
50	2919	254	3264	7180	32,0	>100000	>100000
40	2335	203	2611	5744	25,6	>100000	>100000
30	1751	152	1958	4308	19,2	>100000	>100000
20	1168	102	1305	2872	12,8	>100000	>100000
10	584	51	653	1436	6,40	>100000	>100000

Weight:	268 kg (590 lb)	Bearing:	NJ 2315 E C4
Working Moment:	1168 kgcm (1016 in-lb)	Dynamic load:	85246 lb (38748 kg)
Max Static Moment:	5838 kgmm (508 in-lb)	Lube schedule:	3600 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm	
Nominal input voltage:	230	400	Nominal torque:	283	31,7
Nominal current (amps):	14,2	8,2	Start torque:	613	68,7
Start current (amps):	64,0	37,0	Maximum torque:	665	74,5
Start/Nom. current ratio:	4,51		Start/nom. torque ratio:	2,17	
Input power (watts):	4300		Max/nom. torque ratio:	2,35	
Output power (hp):	4,3		Starting time (sec):	2,23	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	74%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	4%		Inertia kgm² (lb-ft²):	4,6309	128,416
Power factor:	0,80		Inverter Duty:	20Hz to 50Hz	
Coil resist (Ω @ 20°C):	1,28		Equipped with 130°C PTC Thermistor (DIN 44081-44082).		
Insulation class:	F				
Locked Rotor Code:	G				



	in.	mm
A:	33,23	844
B:	14,33	364
C:	14,96	380
D:	4,63	117,5
E:	11,02	280
ØG:	1,02	26
F:	1,10	28
H:	7,20	183
I:	9,53	242
L:	13,39	340
M:	13,78	350
N:	14,02	356

External cable diam.:	13-20mm
Service length req.per side:	0,512-0,787 inch
Mounting bolts:	242 mm (9,53 inch.)
Mounting bolt torque:	M27 - (1")
	89 kgm (645 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 012/2011
EAC			Cert. N° RU C-IT.HB07.B.00614/22
			GB/T 3836.1-2021, 3836.31-2021
			Ex tb IIIC T135°C Db