

VIBRATOR TECHNICAL DATA SHEET

MODEL: VM 075/6500-S02 230/400V 50Hz 3PH

SERIE: AL FRAME SIZE: 95 P/N: 602845A

IP66

RPM 750

MECHANICAL CHARACTERISTICS

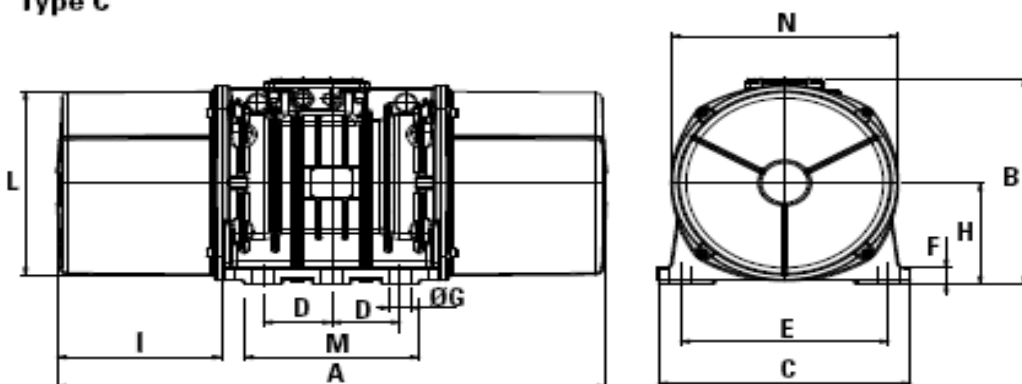
Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	7197	626	4526	9957	44,4	>100000	>100000
90	6477	563	4073	8961	39,9	>100000	>100000
80	5758	501	3621	7966	35,5	>100000	>100000
70	5038	438	3168	6970	31,1	>100000	>100000
60	4318	375	2716	5974	26,6	>100000	>100000
50	3599	313	2263	4979	22,2	>100000	>100000
40	2879	250	1810	3983	17,8	>100000	>100000
30	2159	188	1358	2987	13,3	>100000	>100000
20	1439	125	905	1991	8,9	>100000	>100000
10	720	63	453	996	4,44	>100000	>100000

Weight:	315 kg (693 lb)	Bearing:	NJ 2317 E C4
Working Moment:	1440 kgcm (1252 in-lb)	Dynamic load:	102069 lb (46395 kg)
Max Static Moment:	7197 kgmm (626 in-lb)	Lube schedule:	4300 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm
Nominal input voltage:	230	400	434	48,6
Nominal current (amps):	17,1	9,9	714	80,0
Start current (amps):	52,0	30,1	847	95,0
Start/Nom. current ratio:	3,04		1,65	
Input power (watts):	4900		1,95	
Output power (hp):	5,0		2,80	
Service Factor:	1,0		continuous	
Efficiency:	75%		+40°C (104 F)	
Slip:	5%		Inertia (kgm² lb-ft²):	6,3401 175,811
Power factor:	0,71		Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	1,8		Equipped with 130°C PTC Thermistor (DIN VDE V 0898-1-401)	
Insulation class:	F			
Locked Rotor Code:	D			

Type C



	in.	mm
A:	33,86	860
B:	15,43	392
C:	15,35	390
D:	4,63	117,5
E:	11,02	280
ØG:	1,02	26
F:	1,19	30
H:	7,56	192
I:	9,84	250
L:	14,13	359
M:	13,82	351
N:	14,88	378

External cable diam.:	13 to 20 mm 0,512 to 0,787 inch.
Serv. length req.per side:	250mm (9,84 inch.)
Mounting bolts:	M24 - (1")
Mounting bolt torque:	71 kgm (644 ft-lb)

Approvals and certifications

  	ATEX 14/24/UE - IECEx - UK SI
	II2D Ex tb IIIC T135°C Db
	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