

VIBRATOR TECHNICAL DATA SHEET

MODEL: **VM 12-17600** **60Hz 3PH**

SERIE: **AD** FRAME SIZE: **95** P/N: **602114C** **230/460V**
602114F **330/575V**

MECHANICAL CHARACTERISTICS **RPM 1200**

Weights Position	Static moment		Centrifugal Force			Bearing Life (hrs) w/1.3 Load Factor	Bearing Life (hrs) w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	4967	432	7996	17591	78.4	20516	49192
90	4470	389	7196	15832	70.6	29153	69904
80	3974	346	6397	14073	62.7	43159	>100000
70	3477	302	5597	12314	54.9	67372	>100000
60	2980	259	4798	10555	47.0	>100000	>100000
50	2484	216	3998	8796	39.2	>100000	>100000
40	1987	173	3198	7036	31.4	>100000	>100000
30	1490	130	2399	5277	23.5	>100000	>100000
20	993	86	1599	3518	15.7	>100000	>100000
10	497	43	800	1759	7.84	>100000	>100000

Weight:	609 lb (277 kg)	Bearing:	NJ 2317 E C4
Working Moment:	864 in-lb (9934 kgmm)	Dynamic load:	102069 lb (46395 kg)
Max Static Moment:	432 in-lb (4967 kgmm)	Lube schedule:	2500 hours

ELECTRICAL CHARACTERISTICS

					in-lb		Nm
Nominal input voltage:	230	460	330	575	Nominal torque (in-lb):	459	51.5
Nominal current (amps):	22,6	11,3	15,6	9,0	Start torque (in-lb):	946	106
Start current (amps):	#####	#####	#####	#####	Maximum torque (in-lb):	1284	144
Start/Nom. current ratio:	5,58				Start/nom. torque ratio:	2.06	
Input power (watts):	7500				Max/nom. torque ratio:	2.8	
Output power (hp):	8,4				Starting time (sec):	1.98	
Service Factor:	1,0				Duty cycle:	continuous	
Efficiency:	84%				Max. Ambient Temp.:	104 F	
Slip:	3%				Inertia (lb-ft²):	126.32	
Power factor:	#VALUE!				Inverter Duty:	20Hz to 60Hz	
Coil resist (Ω @ 20°C):	1,1				Operating Temp. Code:	N/A	
Insulation class:	F				Capacitance (µF):	N/A	
Locked Rotor Code:	G						

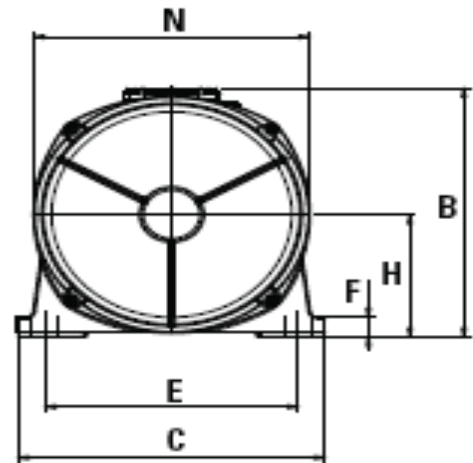
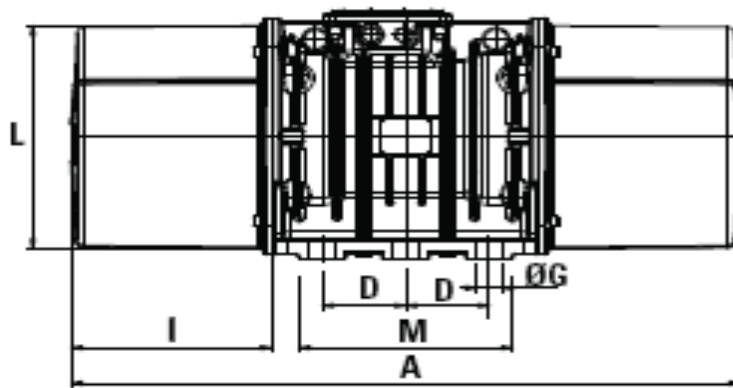
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RPM	1200

Type C



	in.	mm
A:	34.25	870
B:	15.55	395
C:	13.98	355
D:	4.626	117.5
E:	11.02	280
ØG:	1.02	26
F:	1.18	30
H:	7.56	192
I:	10.04	255
L:	13.98	355
M:	13.78	350
N:	14.76	375

External cable diam. (in):	0,512 to 0,787
Service length req.per side(in):	10.04
Mounting bolts:	1" - (M24)
Mounting bolt torque:	644 ft-lb (71 kgm)