

# VIBRATOR TECHNICAL DATA SHEET

MODEL: MVS1 15/550-S02

50Hz 3PH

SERIE: AA FRAME SIZE: 20 P/N:

601373A 230/400V

601373E 290/500V

**RPM 1500**

## MECHANICAL CHARACTERISTICS

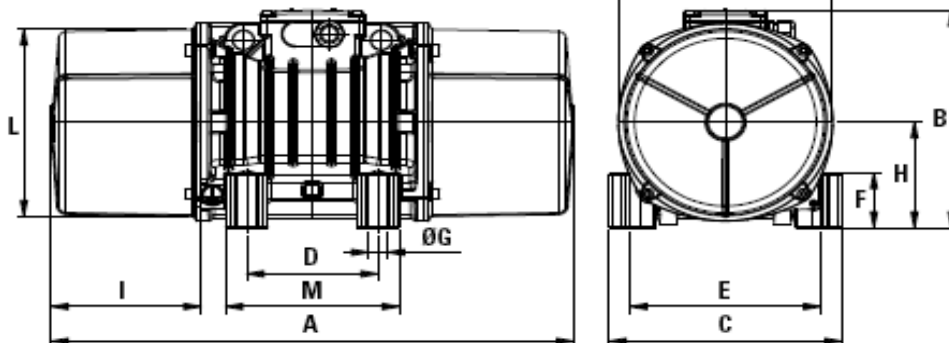
Weights Position %	Static moment		Centrifugal Force			Bearing Life w/1.3 Load Factor	Bearing Life w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	219	19,0	552	1214	5,41	6620	14545
90	197	17,1	497	1093	4,87	9070	19928
80	175	15,2	442	972	4,33	12895	28331
70	153	13,3	386	850	3,79	19361	42536
60	131	11,4	331	729	3,25	30705	67459
50	110	9,52	276	607	2,71	52962	>100000
40	88	7,62	221	486	2,17	>100000	>100000
30	66	5,71	166	364	1,62	>100000	>100000
20	44	3,81	110	243	1,08	>100000	>100000
10	22	1,90	55	121	0,54	>100000	>100000

Weight:	44,9 lb (20,4 kg)	Bearing:	6306.2Z.C3
Working Moment:	38 in-lb (438 kgmm)	Dynamic load:	6640 lb (3018 kg)
Max Static Moment:	19 in-lb (219 kgmm)	Lube schedule:	Lubricated for life

## ELECTRICAL CHARACTERISTICS

		in-lb	Nm
Nominal input voltage:	230 400 290 500	Nominal torque (in-lb):	13,5 1,51
Nominal current (amps):	1,04 0,6 0,83 0,48	Start torque (in-lb):	24,5 2,75
Start current (amps):	3,463 1,998 2,764 1,598	Maximum torque (in-lb):	30,4 3,41
Start/Nom. current ratio:	3,33	Start/nom. torque ratio:	1,82
Input power (watts):	300	Max/nom. torque ratio:	2,26
Output power (hp):	0,29	Starting time (sec):	1,26
Service Factor:	1,0	Duty cycle:	continuous (S1)
Efficiency:	72%	Max. Ambient Temp.:	104 F (40°C)
Slip:	9%	Inertia (lb-ft²):	2,0077
Power factor:	0,72	Inverter Duty:	20Hz to 50Hz
Coil resist (Ω @ 20°C):	47	Operating Temp. Code:	N/A
Insulation class:	F	Capacitance (μF):	N/A
Locked Rotor Code:	E		

Type A



	in.	mm
A:	15,20	386
B:	7,99	203
C:	6,57	167
D:	4,13	105
E:	5,51	140
ØG:	0,51	13
F:	1,18	30
H:	3,25	83
I:	4,49	114
L:	5,71	145
M:	5,51	140
N:	6,30	160

External cable diam.:	9-16mm 0,354-0,630 inch.
Serv. length req.per side:	114 mm (4,49 inch.)
Mounting bolts:	M12 - (1/2")
Mounting bolt torque:	8kgm (58 ft-lb)