

VIBRATOR TECHNICAL DATA SHEET

MODEL: **MVSI 12-11400 230/460V 60Hz 3PH**
 SERIES: **AE** FRAME SIZE: **80** P/N: **602350C**

ISSUED
8/30/2021

RPM 1200

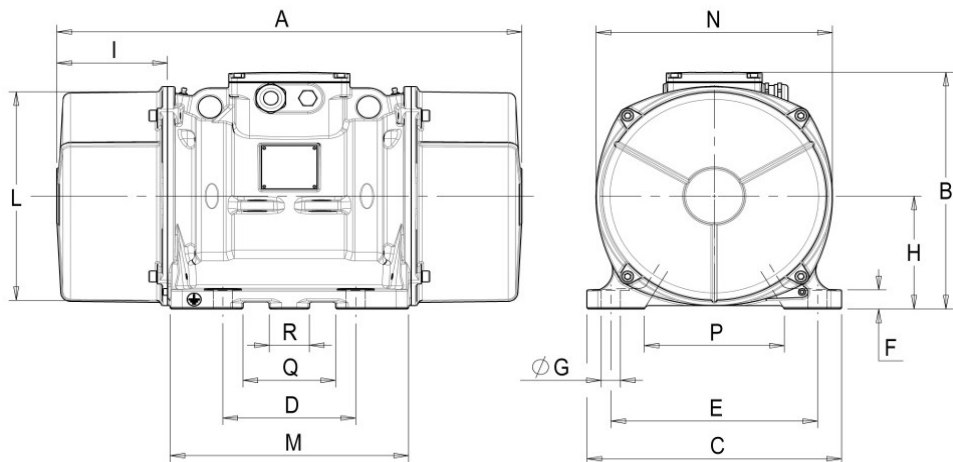
MECHANICAL CHARACTERISTICS

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	3230	281	5200	11440	51.0	18111	43408
90	2907	253	4680	10296	45.9	25721	61673
80	2584	225	4160	9152	40.8	38089	91328
70	2261	197	3640	8008	35.7	59443	> 100000
60	1938	169	3120	6864	30.6	99370	> 100000
50	1615	140	2600	5720	25.5	> 100000	> 100000
40	1292	112	2080	4576	20.4	> 100000	> 100000
30	969	84	1560	3432	15.3	> 100000	> 100000
20	646	56	1040	2288	10.2	> 100000	> 100000
10	323	28	520	1144	5.10	> 100000	> 100000

Weight:	200 kg (441 lb)	Bearing:	NJ 2313 E C4
Working Moment:	646 kgcm (562 in.-lb)	Dynamic load:	63934 lb (29061 kg)
Max Static Moment:	3230 kgmm (281 in.-lb)	Lube schedule:	3600 hours

ELECTRICAL CHARACTERISTICS

				in.-lb	Nm
Nominal input voltage:	230	460	Nominal torque:	231	25.9
Nominal current (amps):	12.0	6.0	Start torque:	669	75.0
Start current (amps):	66.0	33.0	Maximum torque:	669	75.0
Start/Nom. current ratio:	5.50		Start/nom. torque ratio:	2.90	
Input power (watts):	3600		Max/nom. torque ratio:	2.90	
Output power (hp):	3.9		Starting time (s):	1.65	
Service Factor:	1.0		Duty cycle:	continuous	
Efficiency:	80%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	3.5%		Inertia kgm ² (lb-ft ²):	TBD	TBD
Power factor:	0.76		Inverter Duty:	20Hz to 60Hz	
Coil resist (Ω @ 20°C):	1.6		Operating Temp. Code:	N/A	
Insulation class:	F		Capacitance (μF):	N/A	
Locked Rotor Code:	H				



	in.	mm
A:	32.60	828
B:	13.62	346
C:	13.58	345
D:	7.09	180
E:	11.02	280
ØG:	1.02	26
F:	1.10	28
H:	6.50	165
I:	9.80	249
L:	11.93	303
M:	12.72	323
N:	12.60	320
P:	7.48	190
Q:	1.40	35.5
R:	2.13	54

External cable diam.:	13 to 20 mm 0.512 to 0.787 inch.
Serv. length req.per side:	249 mm (9.80 inch)
Mounting bolts:	M24 - (1")
Mounting bolt torque:	71 kgm (644 ft-lb)