

VIBRATOR TECHNICAL DATA SHEET

MODEL: MVSI 12-6600F-AV 230/460V 60Hz 3PH

ISSUED

6/12/2026



Class II Division 1 Groups EFG
Operating Temp. T3 (200°C) for groups EF, T3B (165°C) for group G.

SERIE: AF FRAME SIZE: 70 P/N: 6F2211C

IP66

RPM 1200

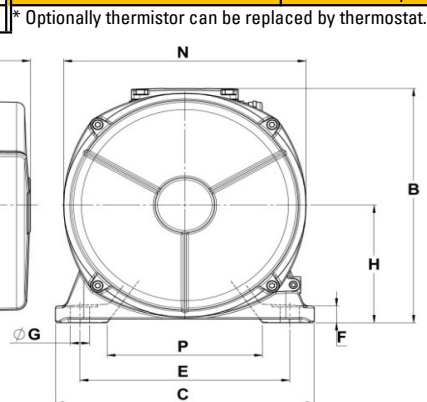
MECHANICAL CHARACTERISTICS

Weights Position %	Static moment		Centrifugal Force			Bearing Life (hrs) w/1.5 Load Factor	Bearing Life (hrs) w/1.0 Load Factor
	kgmm	in.-lb	kg	lb	kN		
100	1940	169	3124	6873	30.6	49836	>100000
90	1746	152	2812	6186	27.6	70773	>100000
80	1552	135	2499	5498	24.5	>100000	>100000
70	1358	118	2187	4811	21.4	>100000	>100000
60	1164	101	1874	4124	18.4	>100000	>100000
50	970	84.3	1562	3436	15.3	>100000	>100000
40	776	67.5	1250	2749	12.3	>100000	>100000
30	582	50.6	937	2062	9.19	>100000	>100000
20	388	33.7	625	1375	6.13	>100000	>100000
10	194	16.9	312	687	3.06	>100000	>100000

Weight:	109 kg (240 lb)	Bearing:	NJ 2311 E C4
Working Moment:	388 kgcm (338 in-lb)	Dynamic load:	52045 lb (23657 kg)
Max Static Moment:	1940 kgmm (169 in-lb)	Lube schedule:	4800 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm
Nominal input voltage:	220-277	380-480	140	15.7
Nominal current (amps):	7.45	4.3	306	34.3
Start current (amps):	35.8	20.7	402	45.1
Start/Nom. current ratio:	4.81		2.18	
Input power (watts):	2400		2.87	
Output power (hp):	2.7		1.64	
Service Factor:	1.0		Max. Ambient Temp.:	+40°C (104 F)
Efficiency:	84%		Inertia kgm² (lb-ft²):	1.0512 29.1500
Slip:	4.4%		Inverter Duty:	20Hz to 60Hz
Power factor:	0.70		Operating Temp. Code:	T3 (200°C) groups EF T3B (165°C) group G
Coil resist (Ω @ 20°C):	3.45		Thermistor (130°C) *	Standard Mandatory connection
Insulation class:	F			
Locked Rotor Code:	G			
Duty cycle:	Continuous (S1)			



	in.	mm
A:	27.80	706
B:	12.56	319
C:	12.40	315
D:	6.50	165
E:	10.24	260
ØG:	1.02	26
F:	0.98	25
H:	6.10	155
I:	7.80	198
L:	10.59	269
M:	10.67	271
N:	11.61	295
P:	7.52	191
Q:	3.94	100
R:	2.36	60

External cable diam. (in):	0.354 to 0.630
Thermistor cable diam. (in):	-
Serv. length req.per side:	198 mm (7.80 inch.)
Mounting bolts:	M24 - (1")
Mounting bolt torque:	71 kgm (644 ft-lb)

Supplied with cable gland suitable for 0.354-0.63 inch. cable diam. A second cable entry is also available (for thermistor if the main cable entry is used only for power cable) requiring a NPT 1/2" cable gland. A suitable 1/2" NPT cable gland (for 6.5-12mm cable diameter) is available on separate request with P/N 0511615.