

IP66

RPM	1200
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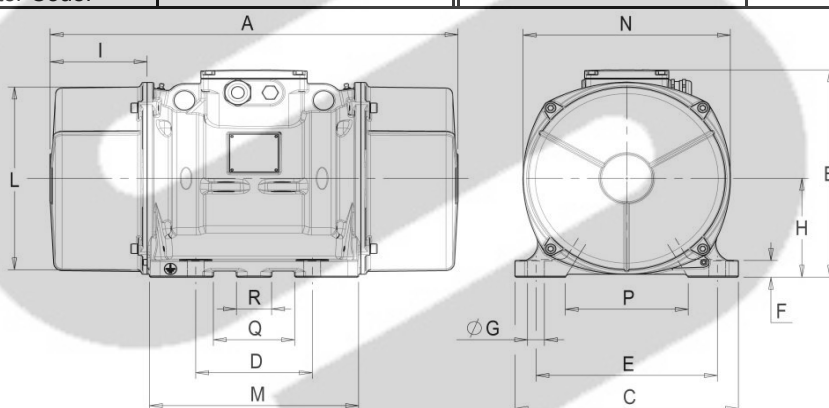
MECHANICAL CHARACTERISTICS

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	2887	251	4648	10226	45,58	26335	63100
90	2598	226	4183	9203	41,02	37395	89665
80	2310	201	3718	8180	36,46	55387	>100000
70	2021	176	3254	7158	31,91	86374	>100000
60	1732	151	2789	6135	27,35	>100000	>100000
50	1444	126	2324	5113	22,79	>100000	>100000
40	1155	100	1859	4090	18,23	>100000	>100000
30	866	75	1394	3068	13,67	>100000	>100000
20	577	50	930	2045	9,12	>100000	>100000
10	289	25	465	1023	4,56	>100000	>100000

Weight:	183 kg (403 lb)	Bearing:	NJ 2313 E C4
Working Moment:	577 kgcm (502 in-lb)	Dynamic load:	63934 lb (29061 kg)
Max Static Moment:	2887 kgmm (251 in-lb)	Lube schedule:	3600 hours

ELECTRICAL CHARACTERISTICS

			in-lb	Nm	
Nominal input voltage:	230	460	Nominal torque:	211	23,7
Nominal current (amps):	12,0	6,0	Start torque:	624	70,0
Start current (amps):	66,0	33,0	Maximum torque:	642	72,0
Start/Nom. current ratio:	5,5		Start/nom. torque ratio:	2,95	
Input power (watts):	3600		Max/nom. torque ratio:	3,04	
Output power (hp):	3,9		Starting time (sec):	1,46	
Service Factor:	1,0		Duty cycle:	continuous	
Efficiency:	80%		Max. Ambient Temp.:	+40°C (104 F)	
Slip:	3,5%		Inertia (kgm² lb-ft²):	2,2129	61,363
Power factor:	0,76		Inverter Duty:	20Hz to 60Hz	
Coil resist (Ω @ 20°C):	1,6				
Insulation class:	F				
Locked Rotor Code:	H				



	in.	mm
A:	31,34	796
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:	9,17	233
L:	11,93	303
M:	12,72	323
N:	12,60	320
P:	7,48	190
Q:	1,40	125
R:	2,13	54

External cable diam.:	13-20mm
	0,512-0,787 inch
Serv. length req.per side:	233mm (9,17 inch.)
Mounting bolts:	M24 - (1")
Mounting bolt torque:	71 kgm (644 ft-lb)

Approvals and certifications

Approvals and Certifications	
  	ATEX 2014/34/UE - IECEx - UK SI II2D Ex tb IIC T135°C Db
	CSA C22.2 N°100-95 Class 4211 01 Class II, Div. 2, Gr.FG, T3B
	TR CU 012/2011 Cert. N° RU C-IT.HB07.B.00614/22
	 Ex tD A21 IP66 T135°C Cert. N. 2020322301003125