



标准规格/Standard Specifications

周围温度/Operating Range : 0~25℃

冷却方式/Cooling Method : Self-cool

周围湿度/Operating range : 20~80%(No condensation)
(in controlled environment)

最大温度/Maximum temperature : 125°C

详细规格/ Specification

参数 Parameter	单位 Unit	LMP320-CP122	LMP320-CP182	LMP320-CP242
性能指标 Performance Specifications				
额定推力 Continuous Force	N	45.1	67.65	90.2
峰值推力 Peak Force	N	180.4	270.6	360.8
33.48				
线间感应电压常数 BEMF Constant(line-	V/(m/s)	33.48	50.20	66.95
额定电流 Continuous Current	Arms	1.10	1.10	1.10
峰值电流 Peak Current,Stall	Arms	6.40	6.40	6.40
推力常数 Force Constant	N/Arms	41	61.5	82
线间电阻 (25℃) Resistance,25℃ (line-line)	Ω	11.6	17.4	23.2
线间电感 Inductance,(line-line)	mH	32.00	48.00	64.00
散热常数 Thermal Resistance	℃/W	5.1	3.4	2.55
机械性能 Mechanical Specifications				
动子重量 Coil Weight	kg	1.48	2.22	2.96
动子长度 Coil Length	mm	122	182	242
动子高·宽 Coil height/width	mm	60*60	60*60	60*60
间隙 Gap	mm	1	1	1
磁轴外径 Magnetic axis diameter	mm	32	32	32
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	120	120	120
磁轴长度(n=1、2、3...) Magnetic axis Length	mm	272+30*n	342+30*n	402+30*n
最大行程 Maximum Travel	mm	1800	1800	1800

注/Notes:

1.Performance is dependent upon heat sink configuration, system cooling conditions,and ambient temperature.

1.性能取决于散热器配置、系统冷却条件和环境温度。

2.Values shown @ 100°C rise above a 25°C ambient temperature,with motor mounted to the specified aluminum heat sink.

2.在高于25℃至100℃的环境温度时,电机需安装在指定的铝制散热器上。

3. Peak force assumes correct rms current; consult SMJ.

3.峰值扭矩下设置正确的电流值，请咨询SMJ。

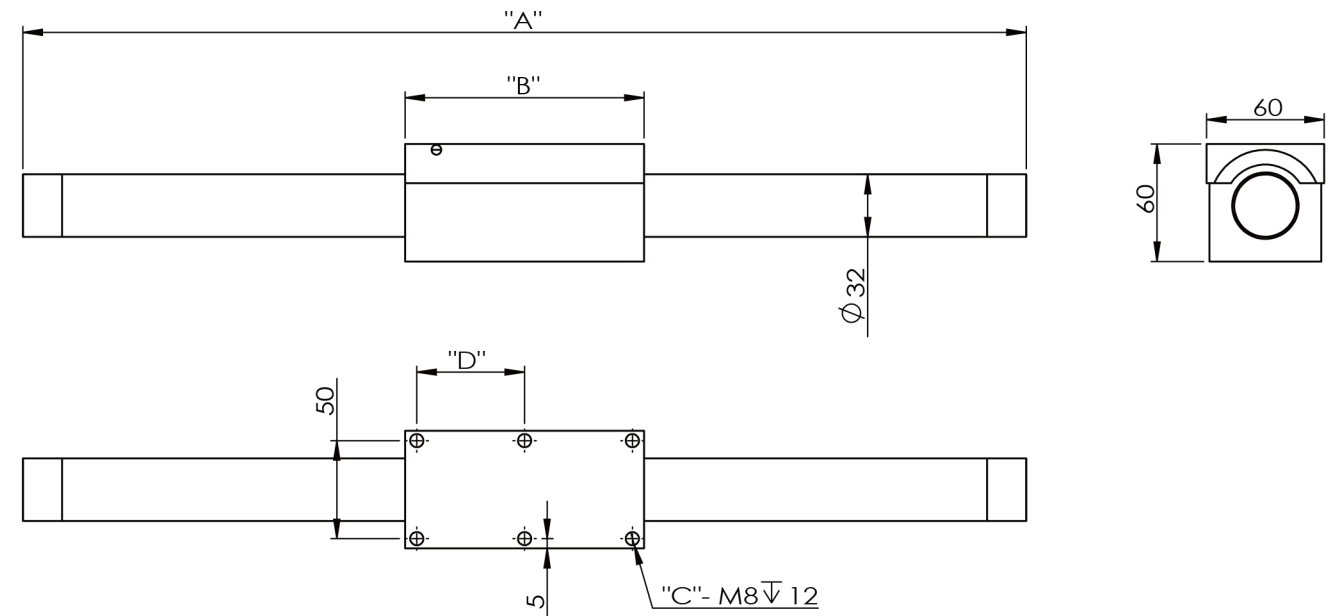
4. Force constant and motor constant specified at stall.

4.失速时规定的力常数和电机常数

5.All performance and electrical specifications $\pm 10\%$.

5.所有性能和电气规格偏差 $\pm 10\%$

外形尺寸/Dimensions(mm)



磁轴/Magnet Axis

Model No.	A	
LMP320-MPXX	$372+30^*n$	配 LMP320-CP122
LMP320-MPXX	$342+30^*n$	配 LMP320-CP182
LMP320-MPXX	$402+30^*n$	配 LMP320-CP242

(n=1、2、3...)

滑块/Slider

	Model No.	B	C	D
2	LMP320-CP122	122	6	55
2	LMP320-CP182	182	6	55
2	LMP320-CP242	242	10	55