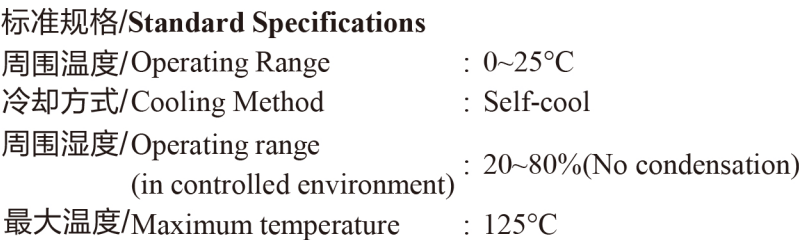




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参数	单位	LMP80-CP47		
Parameter	Unit			
性能指标				
Performance Specifications				
额定推力	N	3.4		
Continuous Force				
峰值推力	N	13.6		
Peak Force				
电气性能				
Electrical Specifications				
线间感应电压常数	V/(m/s)	3.10		
BEMF Constant(line-line,peak)				
额定电流	Arms	0.91		
Continuous Current				
峰值电流	Arms	3.64		
Peak Current,Stall				
推力常数	N/Arms	3.8		
Force Constant				
线间电阻 (25℃)	Ω	3.52		
Resistance,25°C (line-line)				
线间电感	mH	0.70		
Inductance,(line-line)				
散热常数	°C/W	11		
Thermal Resistance				
机械性能				
Mechanical Specifications				
动子重量	kg	0.06		
Coil Weight				
动子长度	mm	47		
Coil Length				
动子高 · 宽	mm	20*20		
Coil height/width				
间隙	mm	0.5		
Gap				
磁轴外径	mm	8		
Magnetic axis diameter				
磁极间距 (NN)	mm	30		
Magnetic Pole Pitch (NN)				
磁轴长度(n=1、2、3...)	mm	54+15*n		
Magnetic axis Length				
最大行程	mm	200		
Maximum Travel				

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°C至100°C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 $\pm 10\%$

Technical drawing of a mechanical part showing three views: front, top, and side.

Front View: Shows a central rectangular block with a diameter of 8mm ($\phi 8$) and a length of 43mm. The total length of the part is labeled A, and the length of the central block is labeled B.

Top View: Shows a square block with a side length of 20mm. The central circular hole has a diameter of 8mm ($\phi 8$). The drawing includes the label 4-M3.

Side View: Shows a rectangular block with a height of 16mm and a width of 2mm.

Model No.	A		Model No.	B		
LMP80-MPXX	54+15*n		LMP80-CP47	47		

 $(n=1, 2, 3\ldots)$