



### 标准规格/Standard Specifications

- 绝缘耐压/Insulation Capacity : AC1500V 1min
- 周围温度/Operating Range : 0~25°C
- 冷却方式/Cooling Method : Self-cool
- 绝缘电阻/Insulation Resistance : DC500V 100MΩ or more
- 周围湿度/Operating range : 20~80%(No condensation)  
(in controlled environment)
- 最大温度/Maximum temperature : 125°C

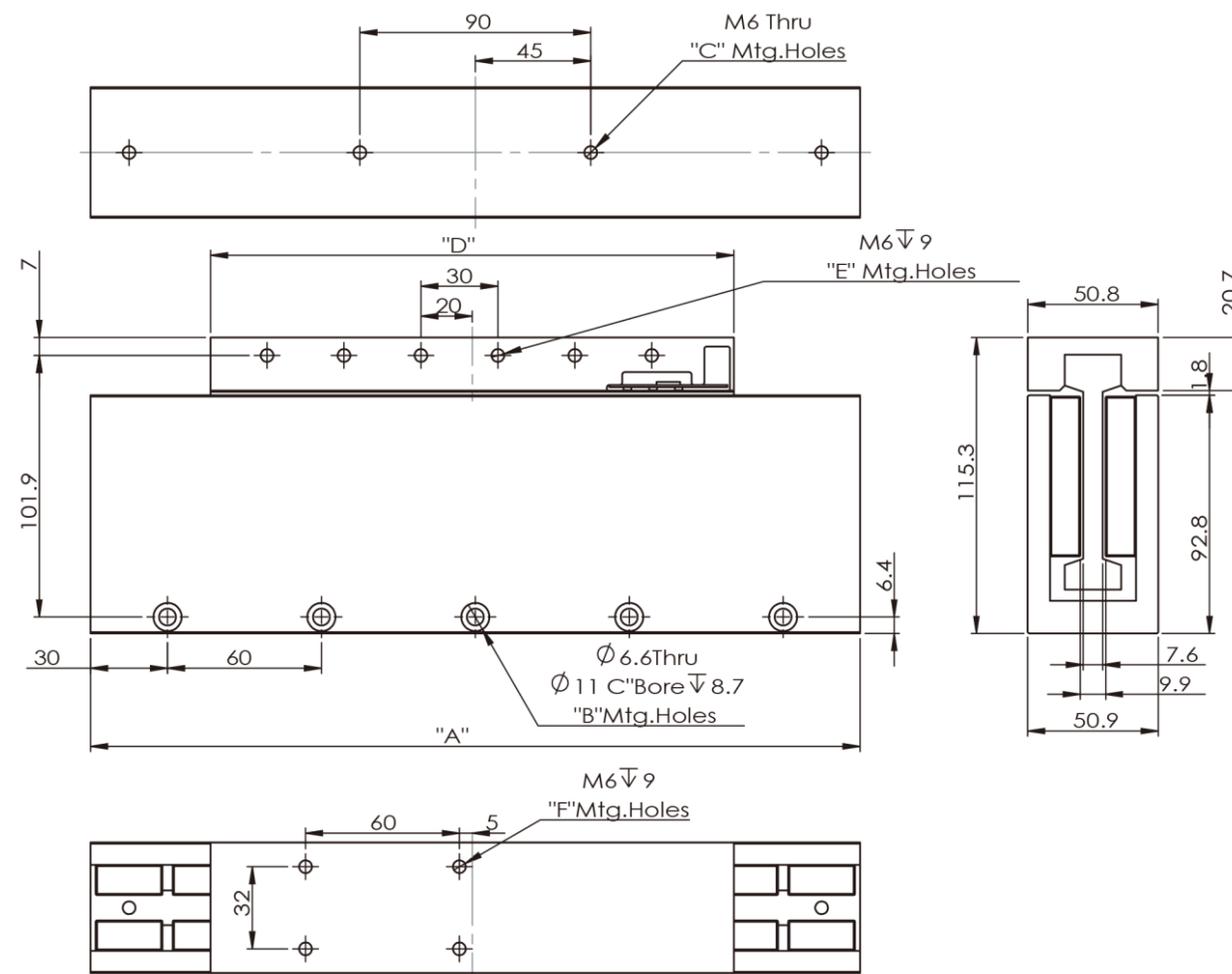
### 详细规格/Specification

参数 Parameter	单位 Unit	LMU040-CP144		LMU040-CP204		LMU040-CP264		LMU040-CP384		LMU040-CP504	
		A	B	A	B	A	B	A	B	A	B
<b>性能指标</b> Performance Specifications											
额定推力 Continuous Force	N	200	250	335	440	600					
峰值推力 Peak Force	N	1400	1750	2345	3080	4200					
<b>电气性能</b> Electrical Specifications											
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	75.45	37.72	113.18	56.60	150.90	75.45	128.05	64.02	170.72	85.37
额定电流 Continuous Current	Ams	2.16	4.31	1.80	3.59	1.80	3.61	2.79	5.59	2.86	5.71
峰值电流 Peak Current,Stall	Ams	15.09	30.17	12.57	25.14	12.63	25.27	19.56	39.11	20.00	40.00
推力常数 Force Constant	N/Ams	92.8	46.4	139.21	69.62	185.61	92.8	157.5	78.75	209.99	105
马达常数 Motor Constant	N/W	21.47	24.01	27.76	28.34	32.57					
线间电阻, 25°C Resistance,25°C (line-line)	Ω	14.6	3.54	21.24	5.31	28.32	7.08	12.72	3.2	16.96	4.24
线间电感 Inductance,(line-line)	mH	9.6	2.4	15.2	3.8	18.4	4.6	7.2	1.8	10.8	2.7
放热常数 Thermal Resistance	°C/W	0.89	0.78	0.58	0.42	0.3					
最大电压 Maximum Bus Voltage	V <sub>DC</sub>	340	340	340	340	340					
<b>机械性能</b> Mechanical Specifications											
定子重量 Coil Weight	kg	1.1	1.6	2.1	3.1	4.2					
定子长度 Coil Length	mm	144	204	264	384	504					
磁轨重量 Magnet Track Weight	kg/m	21.8									
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	60									

### 注/Notes:

- 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。
- 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。
- 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。
- Force constant and motor constant specified at stall.  
4.失速时规定的力常数和电机常数
- All performance and electrical specifications ±10%.  
5.所有性能和电气规格偏差 ± 10%

### Dimensions(mm)



### Magnet Plate

Model No.	A	B	C
LMU040-MP240	240	4	2
LMU040-MP300	300	5	4

### Coil Plate

Model No.	D	E	F
LMU040-CP144	144	8	4
LMU040-CP204	204	12	4
LMU040-CP264	264	14	8
LMU040-CP384	384	22	12
LMU040-CP504	504	30	16