



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

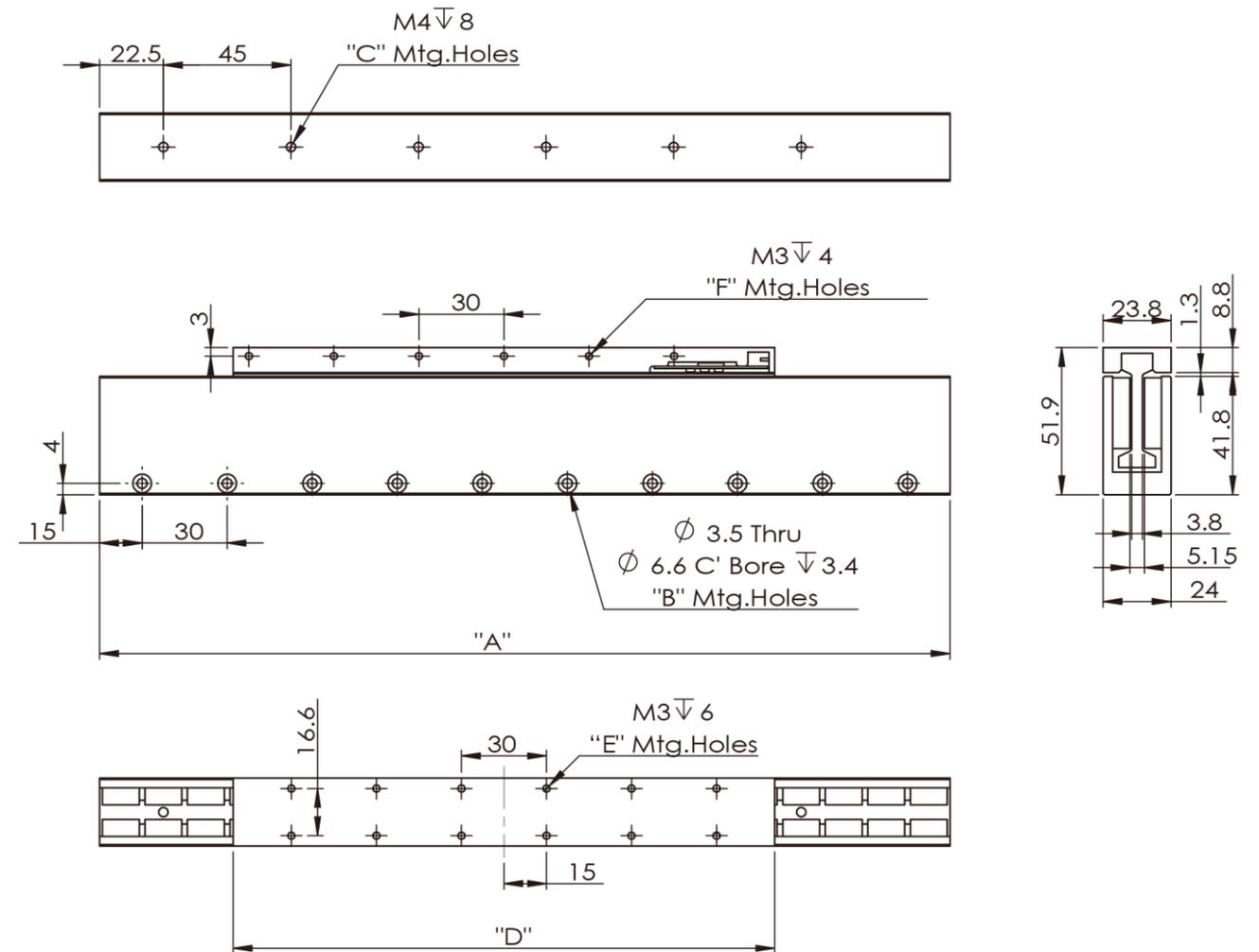
详细规格/Specification

参数 Parameter	单位 Unit	LMU010-CP71	LMU010-CP131	LMU010-CP191	LMU010-CP252
性能指标 Performance Specifications					
额定推力 Continuous Force	N	30	58	80	105
峰值推力 Peak Force	N	210	406	560	735
电气性能 Electrical Specifications					
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	12.28	24.57	36.85	49.14
额定电流 Continuous Current	Arms	1.99	1.92	1.76	1.74
峰值电流 Peak Current,Stall	Arms	13.90	13.43	12.35	12.16
推力常数 Force Constant	N/Arms	15.11	30.22	45.33	60.44
马达常数 Motor Constant	N/√W	4.30	7.29	9.04	11.08
线间电阻, 25°C Resistance, 25°C (line-line)	Ω	6.06	12.13	18.19	24.26
线间电感 Inductance (line-line)	mH	0.85	1.70	2.55	3.40
散热常数 Thermal Resistance	°C/W	2.21	1.38	1.1	0.9
最大电压 Maximum Bus Voltage	V _{DC}	340	340	340	340
机械性能 Mechanical Specifications					
动子重量 Coil Weight	kg	0.1	0.18	0.27	0.38
动子长度 Coil Length	mm	71	131	191	252
磁轨重量 Magnet Track Weight	kg/m	4.28			
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	30			

注/Notes:

- Performance is dependent upon heat sink configuration, system cooling conditions, and ambient temperature.
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.
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.
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.
失速时规定的力常数和电机常数
- All performance and electrical specifications ±10%.
所有性能和电气规格偏差 ±10%

Dimensions(mm)



Magnet Plate

Model No.	A	B	C
LMU010-MP90	90	3	2
LMU010-MP150	150	5	3
LMU010-MP300	300	10	6

Coil Plate

Model No.	D	E	F
LMU010-CP71	71	4	4
LMU010-CP131	131	8	8
LMU010-CP191	191	12	12
LMU010-CP252	252	16	16