



标准规格/Standard Specifications

绝缘耐压/Insulation Capacity : AC1500V 1min

周围温度/Operating Range : 0~25℃

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℃

详细规格/Specification									
参数 Parameter	单位 Unit	LMUT030-CP78		LMUT030-CP138		LMUT030-CP198		LMUT030-CP258	
		N	F	N	F	N	F	N	F
性能指标									
Performance Specifications									
额定推力 Continuous Force	N	28		57		85		113	
峰值推力 Peak Force	N	100		200		300		400	
电气性能									
Electrical Specifications									
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	31	17	31	17	31	17	31	17
额定电流 Continuous Current	Arms	0.74	1.3	1.5	2.7	2.2	4.1	3	5.4
峰值电流 Peak Current,Stall	Arms	2.6	4.8	5.3	9.6	7.9	14.4	10.5	19.2
推力常数 Force Constant	N/Arms	38	20.8	38	20.8	38	20.8	38	20.8
马达常数 Motor Constant	N/√W	5.17		7.3		10.3		14.6	
线间电阻（25℃） Resistance,25℃ (line-line)	Ω	36	10.7	18	5.3	9	2.68	4.5	1.3
线间电感 Inductance,(line-line)	mH	10	2.77	5	1.39	2.5	0.69	1.25	0.35
散热常数 Thermal Resistance	℃/W	1.8		0.9		0.6		0.45	
最大电压 Maximum Bus Voltage	V _{DC}	325							
机械性能									
Mechanical Specifications									
动子重量 Coil Weight	kg	0.1		0.162		0.24		0.318	
动子长度 Coil Length	mm	78		138		198		258	
磁轨重量 Magnet Track Weight	kg/m	5.48							
磁极间距（NN） Magnetic Pole Pitch (NN)	mm	30							

- 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℃ rise above a 25℃ 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。

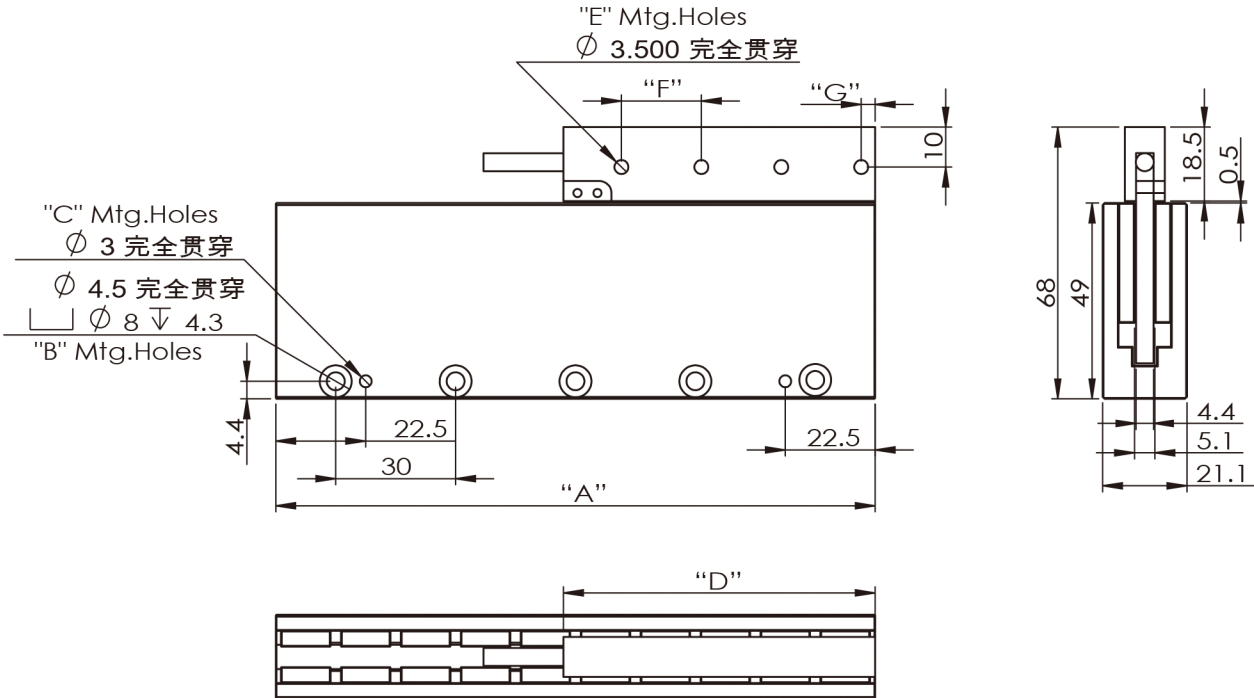
4.Force constant and motor constant specified at stall.

4.失速时规定的力常数和电机常数

5.All performance and electrical specifications±10%.

5.所有性能和电气规格偏差 ± 10%

外形尺寸/Dimensions(mm)



定子/Magnet Plate

Model No.	A	B	C
LMUT030-MP150	150	5	2

动子/Coil Plate

Model No.	D	E	F	G	
LMUT030-CP78	78	4	20	3.5	
LMUT030-CP138	138	7	20	3.5	
LMUT030-CP198	198	10	20	3.5	
LMUT030-CP258	258	13	20	3.5	