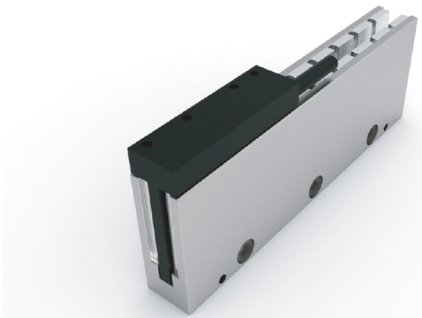




标准规格/Standard Specifications	
绝缘耐压/Insulation Capacity	: AC1500V 1min
周围温度/Operating Range	: 0~25℃
冷却方式/Cooling Method	: Self-cool
绝缘电阻/Insulation Resistance	: DC500V 100MΩ or more
周围湿度/Operating range	: 20~80%(No condensation)
(in controlled environment)	
最大温度/Maximum temperature	: 125℃

详细规格/Specification				
参数 Parameter	单位 Unit	LMUT020-CP49	LMUT020-CP97	
性能指标 Performance Specifications				
额定推力 Continuous Force	N	19.5	39	
峰值推力 Peak Force	N	42.5	85	
电气性能 Electrical Specifications				
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	10.20	10.20	
额定电流 Continuous Current	Arms	1.56	3.12	
峰值电流 Peak Current,Stall	Arms	3.40	6.80	
推力常数 Force Constant	N/Arms	12.51	12.51	
马达常数 Motor Constant	N/√W	3.90	7.80	
线间电阻 (25℃) Resistance,25℃ (line-line)	Ω	6.84	3.42	
线间电感 Inductance,(line-line)	mH	1.40	0.70	
放热常数 Thermal Resistance	℃/W	2.4	1.2	
最大电压 Maximum Bus Voltage	V _{DC}	60	60	
机械性能 Machanical Specifications				
动子重量 Coil Weight	kg	0.045	0.087	
动子长度 Coil Length	mm	49	97	
磁轨重量 Magnet Track Weight	kg/m	3.6	3.6	
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	24	24	

- 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。

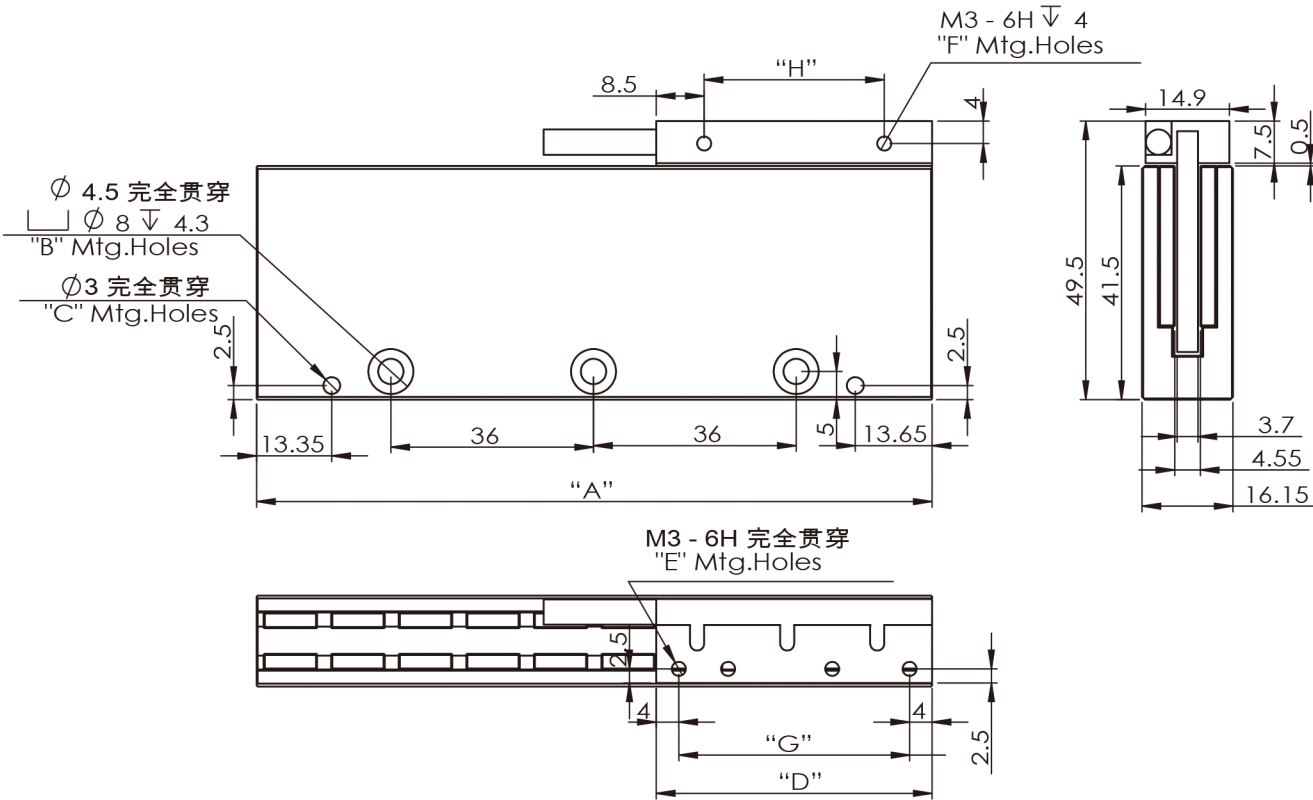
4.Force constant and motor constant specified at stall.

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
LMUT020-MP120	120	3	2

动子/Coil Plate

Model No.	D	E	F	G	H
LMUT020-CP49	49	4	2	41	32
LMUT020-CP97	97	2	2	89	80