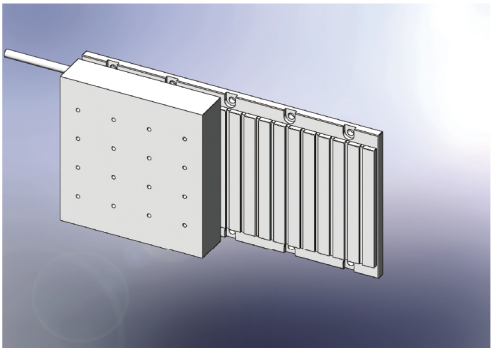


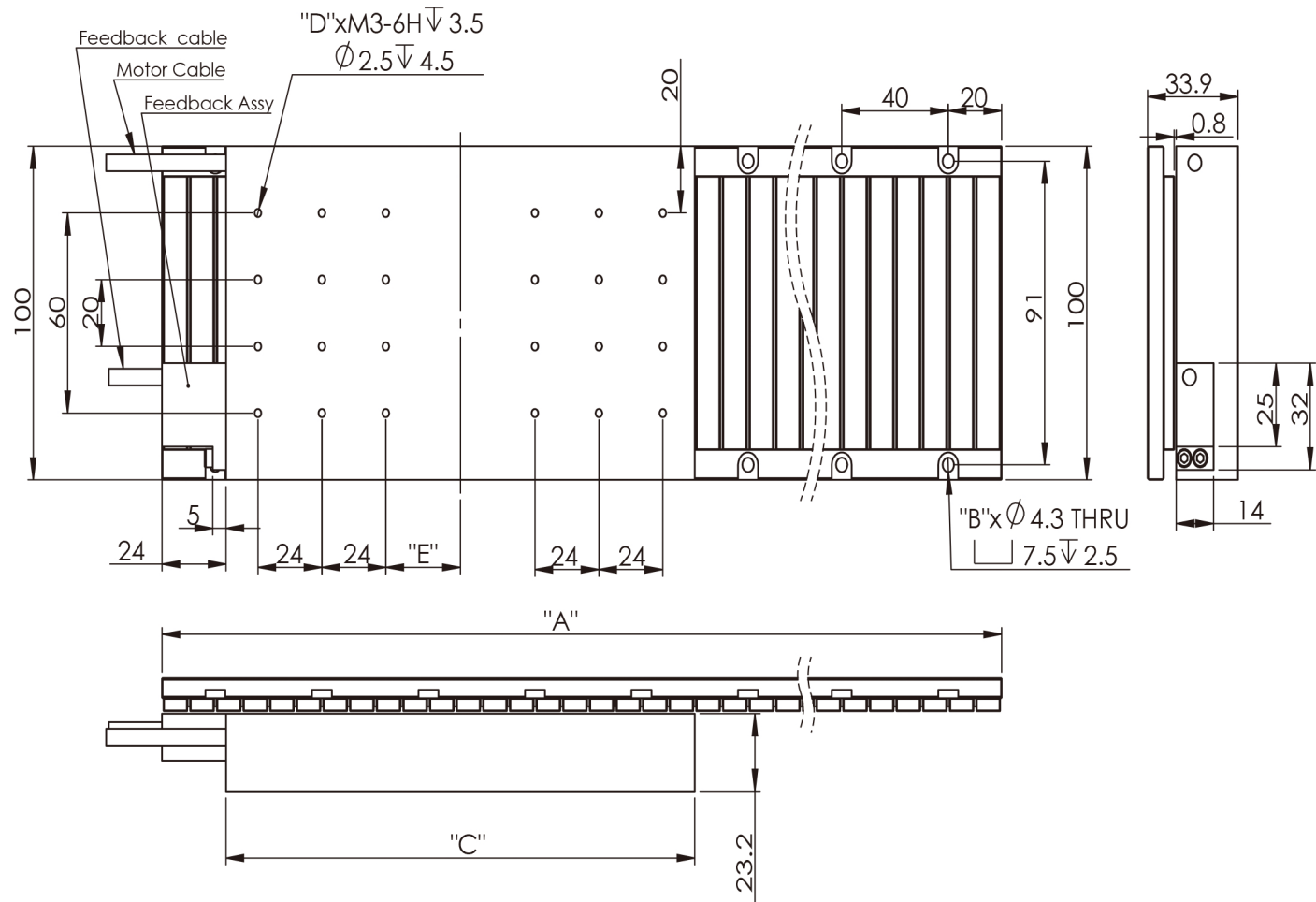


标准规格/Standard Specifications
绝缘耐压/Insulation Capacity : AC1500V 1min
周围温度/Operating Range : 0~25°C
冷却方式/Cooling Method : Self-cool
绝缘电阻/Insulation Resistance : DC500V 100MΩ or more
周围湿度/Operating range : 20~80%(No condensation)
(in controlled environment)
最大温度/Maximum temperature : 125°C

详细规格/Specification			
参数 Parameter	单位 Unit	LMF030-CP96	LMF030-CP176
性能指标 Performance Specifications			
额定推力 Continuous Force	N	210	414.7
峰值推力 Peak Force	N	824.4	1624.3
电气性能 Electrical Specifications			
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	67.50	70.50
额定电流 Continuous Current	Arms	2.4	4.80
峰值电流 Peak Current,Stall	Arms	9.40	18.80
推力常数 Force Constant	N/Arms	87.7	86.4
马达常数 Motor Constant	N/√W	24.70	36.20
线间电阻 (25°C) Resistance,25°C (line-line)	Ω	7.46	3.79
线间电感 Inductance,(line-line)	mH	37.30	18.60
放热常数 Thermal Resistance	°C/W	0.909	0.43
磁吸力 Attraction Force	Kn	0.965	1.935
最大电压 Maximum Bus Voltage	V _{DC}	600	600
机械性能 Mechanical Specifications			
动子重量 Coil Weight	kg	1.2	2.3
动子长度 Coil Length	mm	96	176
磁轨重量 Magnet Track Weight	kg/m	7	
磁极间距 (NN) Magnetic Pole Pitch (NN)	mm	20	

- 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°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±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
LMF030-MP80	80	4
LMF030-MP200	200	10
LMF030-MP400	400	20

动子/Coil Plate

Model No.	C	D	E
LMF030-CP96	96	16	12
LMF030-CP176	176	24	28