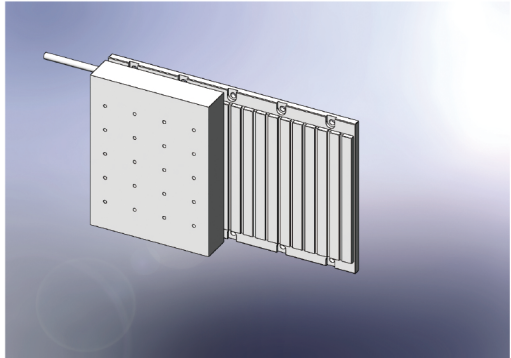




标准规格/Standard Specifications

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

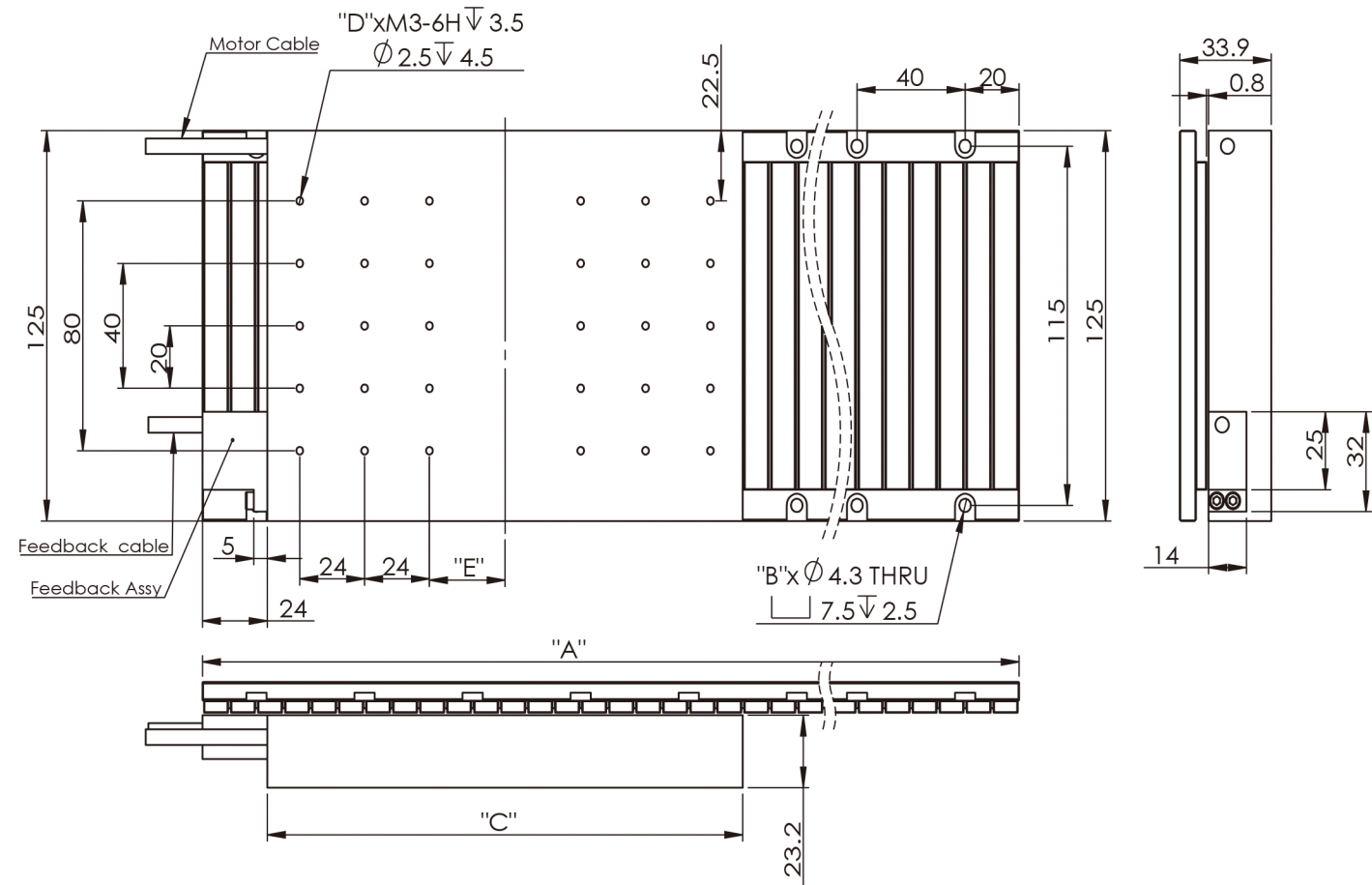
周围湿度/Operating range : 20~80%(No condensation)
(in controlled environment)

最大温度/Maximum temperature : 125℃

详细规格/Specification				
参数 Parameter	单位 Unit	LMF040-CP96		LMF040-CP176
性能指标				
Performance Specifications				
额定推力 Continuous Force	N	266.4	552.9	
峰值推力 Peak Force	N	1043.4	2165.8	
电气性能				
Electrical Specifications				
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	90.60	94.00	
额定电流 Continuous Current	Arms	2.40	4.80	
峰值电流 Peak Current,Stall	Arms	9.40	18.80	
推力常数 Force Constant	N/Arms	111	115.2	
马达常数 Motor Constant	N/√W	29.80	43.50	
线间电阻（25℃） Resistance,25℃ (line-line)	Ω	9.25	4.68	
线间电感 Inductance,(line-line)	mH	47.20	23.60	
放热常数 Thermal Resistance	℃/W	0.714	0.357	
磁吸力 Attraction Force	Kn	1.244	2.478	
最大电压 Maximum Bus Voltage	V _{DC}	600	600	
机械性能				
Machanical Specifications				
动子重量 Coil Weight	kg	1.5	2.9	
动子长度 Coil Length	mm	96	176	
磁轨重量 Magnet Track Weight	kg/m	8.8		
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℃ 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
LMF040-MP80	80	4
LMF040-MP200	200	10
LMF040-MP400	400	20

动子/Coil Plate

Model No.	C	D	E
LMF040-CP96	96	20	12
LMF040-CP176	176	30	28