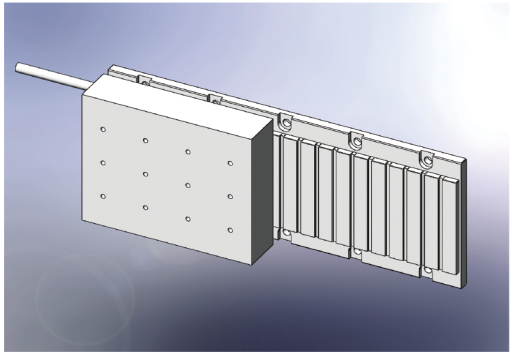




标准规格/Standard Specifications

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	LMF020-CP96	LMF020-CP176
性能指标 Performance Specifications			
额定推力 Continuous Force	N	139.2	282.7
峰值推力 Peak Force	N	545	1107.8
电气性能 Electrical Specifications			
线间感应电压常数 BEMF Constant(line-line,peak)	V/(m/s)	47.40	47.10
额定电流 Continuous Current	Arms	2.40	4.90
峰值电流 Peak Current,Stall	Arms	9.40	19.20
推力常数 Force Constant	N/Arms	58	57.7
马达常数 Motor Constant	N/√W	20.50	28.50
线间电阻 (25°C) Resistance,25°C (line-line)	Ω	5.36	2.73
线间电感 Inductance,(line-line)	mH	25.90	13.00
放热常数 Thermal Resistance	°C/W	1.25	0.59
磁吸力 Attraction Force	Kn	0.655	1.301
最大电压 Maximum Bus Voltage	V _{DC}	600	600
机械性能 Mechanical Specifications			
定子重量 Coil Weight	kg	0.9	1.7
定子长度 Coil Length	mm	96	176
磁轨重量 Magnet Track Weight	kg/m	5	
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。

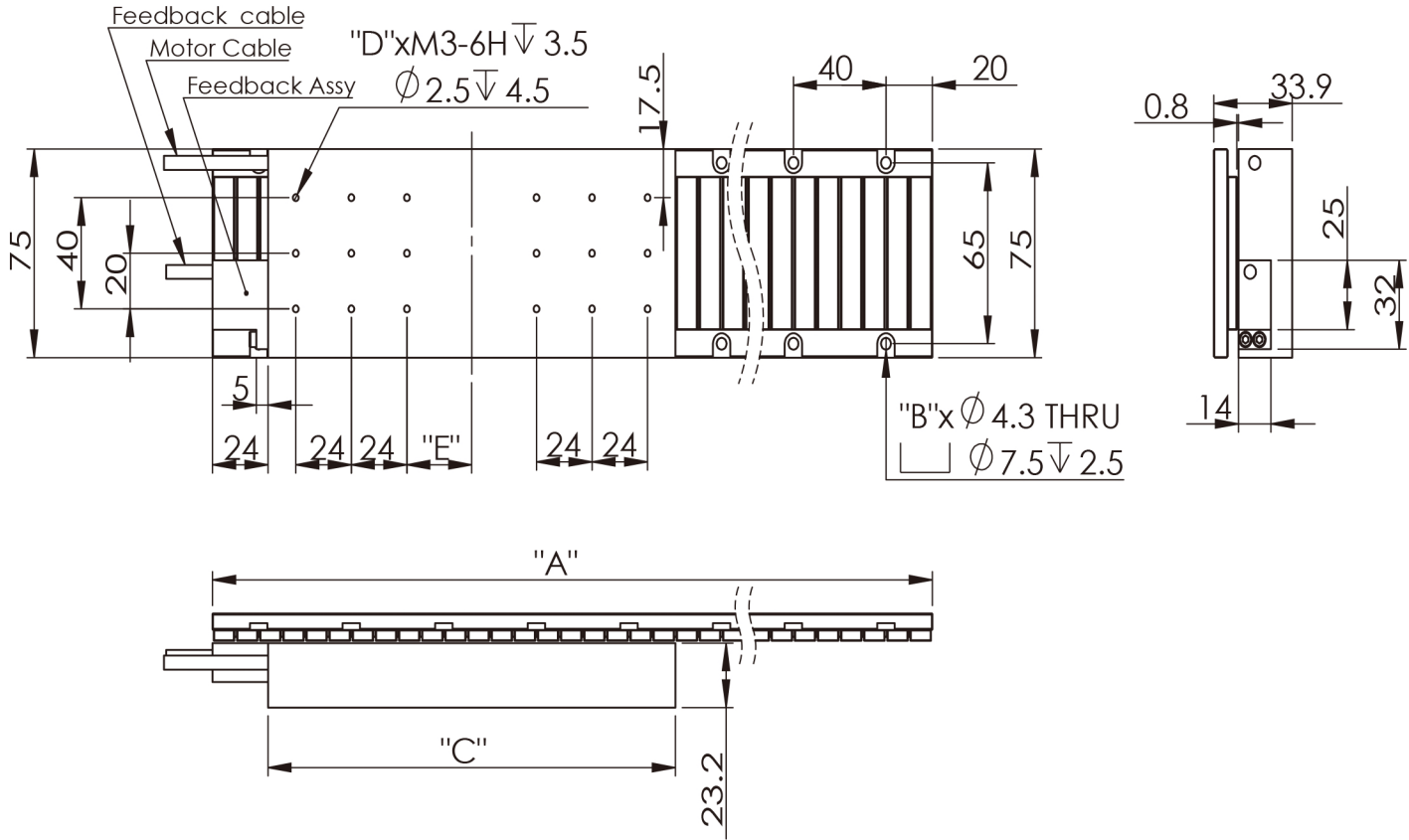
4.Force constant and motor constant specified at stall.

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
LMF020-MP80	80	4
LMF020-MP200	200	10
LMF020-MP400	400	20

定子/Coil Plate

Model No.	C	D	E
LMF020-CP96	96	12	12
LMF020-CP176	176	18	28