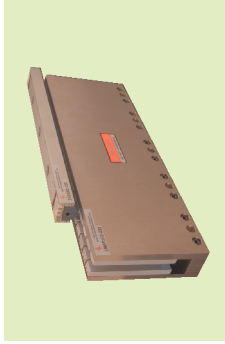


S MJ MML030系列...MML030△-KP□□、MML030-MP□□□□

(MML030 Type...MML030△-KP□□、MML030-MP□□□□)



适用于半导体制造设备、组装机器设备等广泛的领域。
This Model is suitable for a wide range of fields such as Semiconductor Production Equipment and Assembly Robots

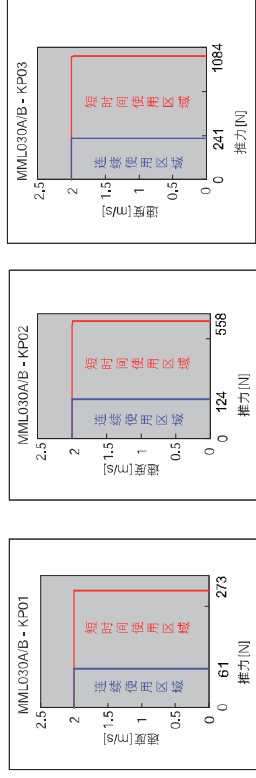
标准规格 / Standard Specifications
 绝缘耐压 / Insulation Capacity : AC150V 1分钟 (1min)
 周围温度 / Operating Range : 0 ~ 40℃
 冷却方式 / Cooling method : 自冷 (Self-cool)
 绝缘电阻 / Insulation Resistance : DC500V 100MΩ以上 (DC500V 100MΩ or more)
 周围湿度 / Operating range (in control environment) : 20% ~ 80% (无结露) (No condensation)
 最大温度 / Maximum temperature : 120℃

详细规格 / Specification

项目 / Item	单位 / Unit	MML030△-KP01		MML030△-KP02		MML030△-KP03	
		A*1	B*1	A*1	B*1	A*1	B*1
额定推力 ¹⁾ / Continuous Force	N	80.7		123.5		241.0	
额定电流 ²⁾ / Continuous Current	Arms	1.8	0.9	2.73	1.34	5.36	2.64
最大推力 ³⁾ / Peak Force	N	273		558		1084	
最大电流 ³⁾ / Peak Current	Arms	8.0	4.1	12.3	6.0	24.1	11.9
动重量 / Motor weight	kg	0.26		0.58		1.06	
推力常数 / Force Constant	N / Arms	34.0	88.4	45.4	89.9	45.0	88.9
DC马达常数 / Motor Constant	N / W	10.1	10.2	15.4	14.8	21.5	20.9
DC马达常数 / All Three Phases	Vrms / (m/s)	19.6	38.5	26.2	51.3	26.0	51.3
线间电阻 / Coil Resistance (line to line)	Ω	7.5	30.0	5.8	23.9	2.9	12.0
线间电感 / Inductance (line to line)	mH	2.39	9.49	2.10	8.00	1.05	4.00
热阻常数 (含散热片) / Thermal Resistance (included heat sink)	K / W	4.40		2.45		1.25	
热阻常数 (无散热片) / Thermal Resistance (not included heat sink)	K / W	5.30		2.80		1.47	

- *1: A为低电压输入型, B为高电压输入型, △表示的△, 输入A或B。
- *2: 最大推力、最大电流会根据使用的伺服控制器最大电流而变化, 本数值是以轴子上安装散热片 (铝板) 为条件的。
(散热片尺寸: 200×200×15mm)
- *3: 电压有效值为100℃时的数值。
- *1: A = Low Voltage Model, B = High Voltage Model. The △ mark in the chart signifies that either A or B models could be suitable.
- *2: The value given for the Peak Force and Peak Current may differ depending on the Peak Current of the Servo Controller utilized. Given values are for heat sink (Aluminum) equipped Coil Plates. (Heat Sink size: 200×200×15mm)
- *3: Given value is after the electrical wiring temperature has reached 100℃.

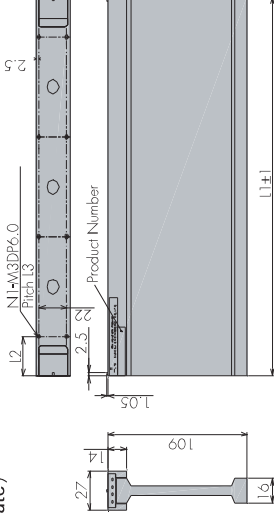
推力-速度特性 / Force/Speed Characteristics



本特性根据伺服控制器给轴直线的输入电压而变化。
上述特性是以A型AC85V、B型AC170V作为供给至直线的输入电压算出的。
The above characteristics may vary depending on the Voltage supply from the Servo Controller, is the motor.
Used characteristics for the linear motor's input voltage is calculated at AC85V for type A, AC170V for type B.
For further details, please contact our Sales Department.

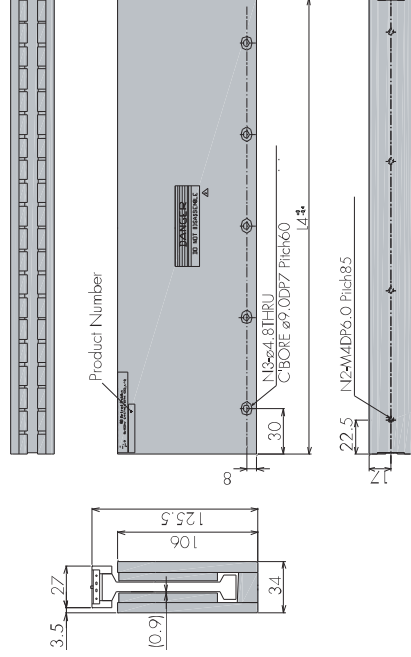
外形尺寸 / Dimensions (单位 / unit : mm)

● 定子 (Coil Plate)



Type	Size [mm]	Qty [pcs]		
L1	L2	L3	N1	
KP01	78	24	30	4
KP02	138	32	37	6
KP03	258	27	68	8

● 定子 (Magnet Plate)



Type	Size [mm]	Qty [pcs]	
L4	N2	N3	
MP150	150	2	2
MP300	300	4	5