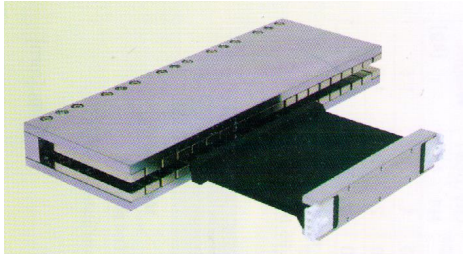


LMML030



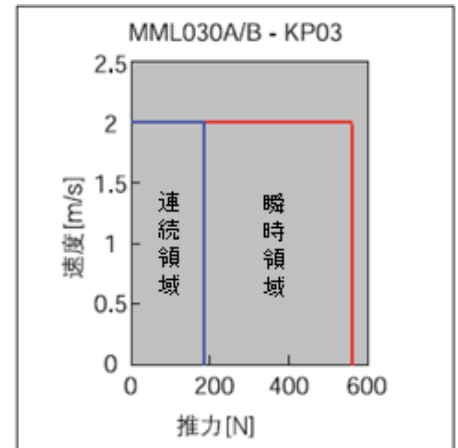
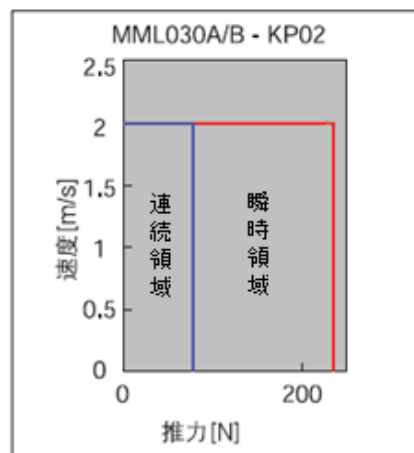
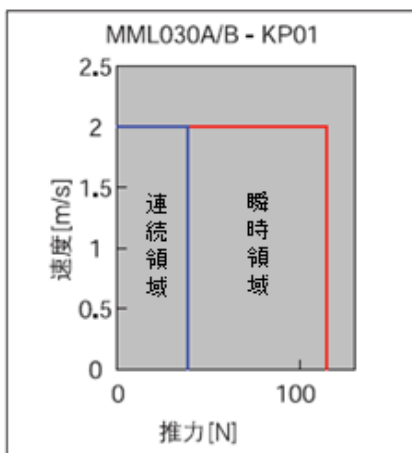
This model is the most suitable for wide range of fields such as semi-conductor production equipment and assembly robots.

Standard specification

Insulation capacity	AC1500V 1min
Operating range	0~40°C
Cooling method	Self cooling
Insulation resistance	DC500V 100M Ω and more
Operating humidity	20~80% (No condensation)
Maximum temperature	120°C

Item	Unit	LMML030-KP01		LMML030-KP02		LMML030-KP03	
		A	B	A	B	A	B
Continues force	N	38.4		75.3		148.9	
Continues Current	Arms	1.19	0.59	1.82	0.89	3.57	1.76
Peak current	N	115.2		225.9		446.7	
Peak current	Amps	3.57	1.78	5.45	2.68	10.71	5.29
Mover weight	kg	0.26		0.58		1.06	
Force constant	N/Arms	34.0	68.4	45.4	88.9	45.0	88.9
Motor constant	N/√W	10.1	10.2	15.4	14.8	21.5	20.9
Back EMF	Vrms/(m/s)	19.6	39.5	26.2	51.3	26.0	51.3
Coil resistance	Ω	7.5	30.0	5.8	23.9	2.9	12.0
Inductance	mH	2.39	9.49	2.10	8.00	1.05	4.00
Thermal Resistance (included heat sink)	K/W	4.40		2.45		1.25	
Thermal Resistance (not included heat sink)	K/W	5.30		2.90		1.47	

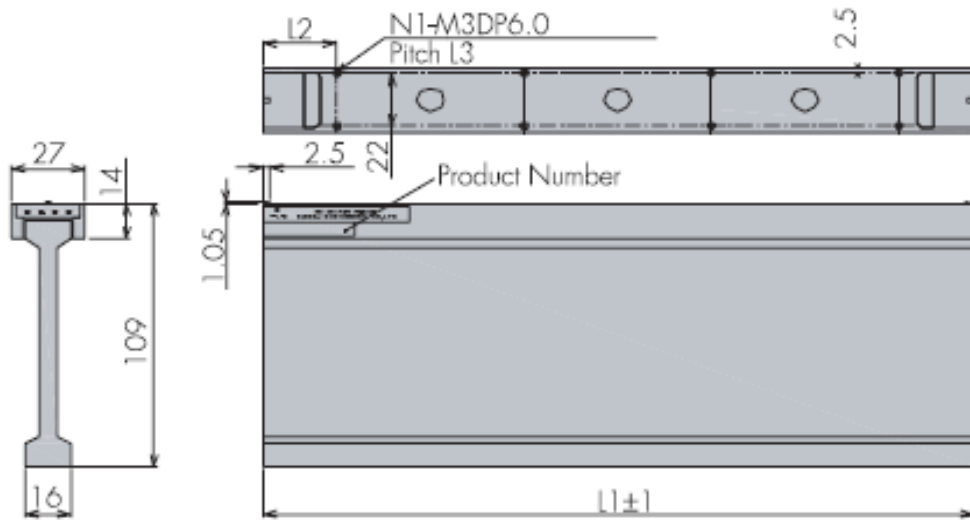
Force-Speed characteristics



LMML030

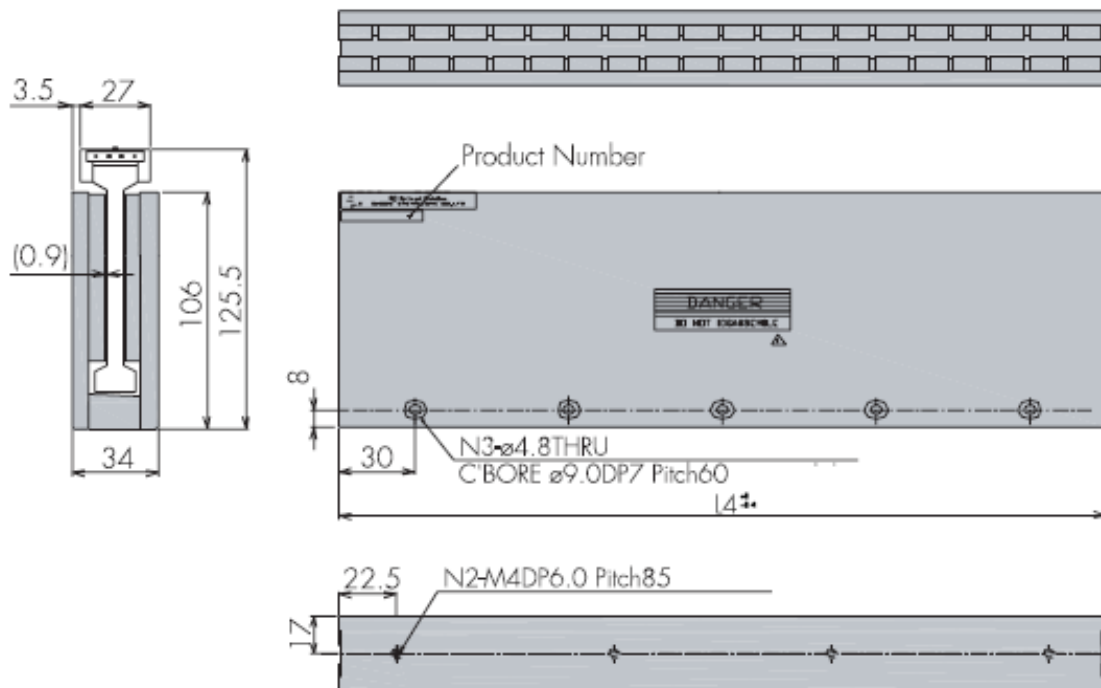
Dimensions (unit: mm)

Coil plate



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

Magnet plate



Type	Size [mm]	Qty [pcs]	
	L4	N2	N3
MP90	90	2	2
MP150	150	2	2
MP300	300	4	5