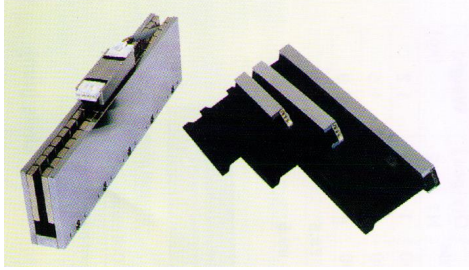


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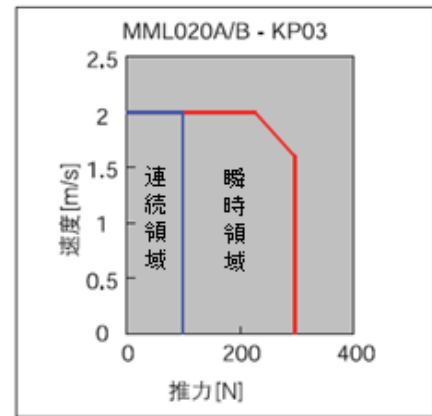
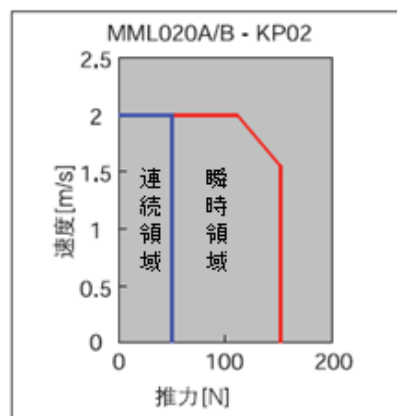
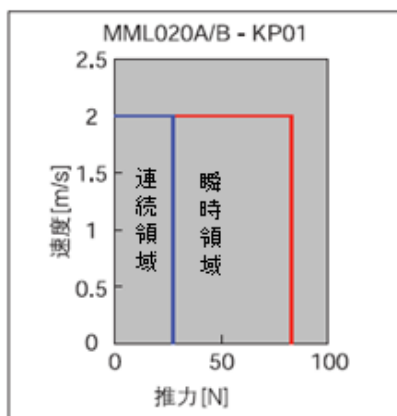
This series of Linear Motor is well suited for application that require precised positioning, high speed, quick acceleration such as semi-conductor manufacturing equipment. It is also able to utilized in limited work spaces. It is the most appropriate linear motor design for the reduction of manufacturing equipement size.

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	LMML020-KP01		LMML020-KP02		LMML020-KP03	
		A	B	A	B	A	B
Continues force	N	27.6		50.3		98.4	
Continues Current	Arms	1.28	0.65	1.16	0.59	2.32	1.15
Peak current	N	82.8		150.9		295.2	
Peak current	Amps	3.83	1.96	3.49	1.76	6.95	3.46
Mover weight	kg	0.22		0.43		0.80	
Force constant	N/Arms	22.9	44.5	45.5	90.8	44.9	89.7
Motor constant	N/ \sqrt{W}	7.7	7.7	10.9	10.9	15.2	15.2
Back EMF	Vrms/(m/s)	13.2	25.7	26.3	52.4	25.9	51.8
Coil resistance	Ω	5.8	22.4	11.7	45.9	5.8	23.4
Inductance	mH	1.85	7.09	3.66	14.60	1.83	7.44
Thermal Resistance (included heat sink)	K/W	4.90		2.95		1.50	
Thermal Resistance (not included heat sink)	K/W	5.90		3.50		1.80	

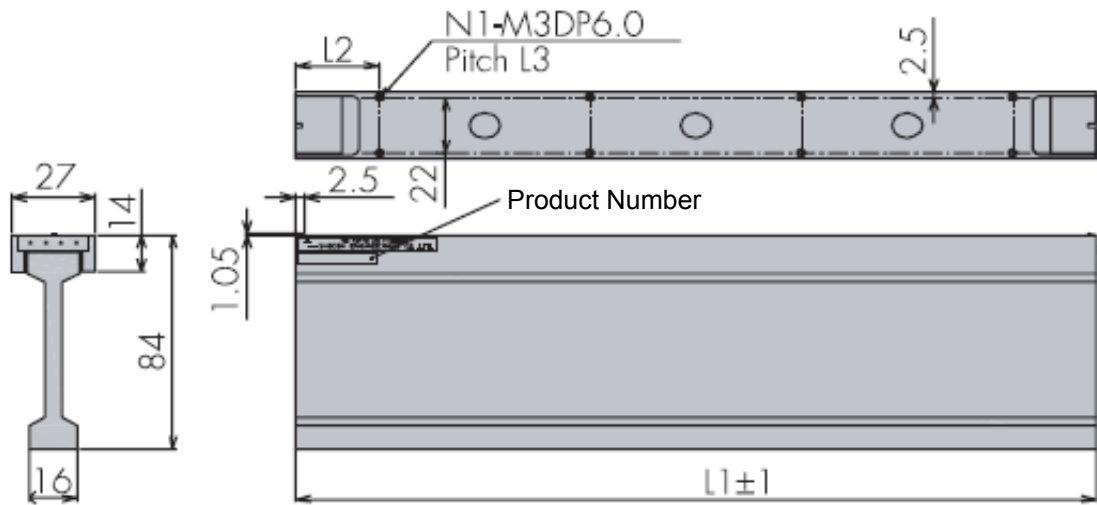
Force-Speed characteristics



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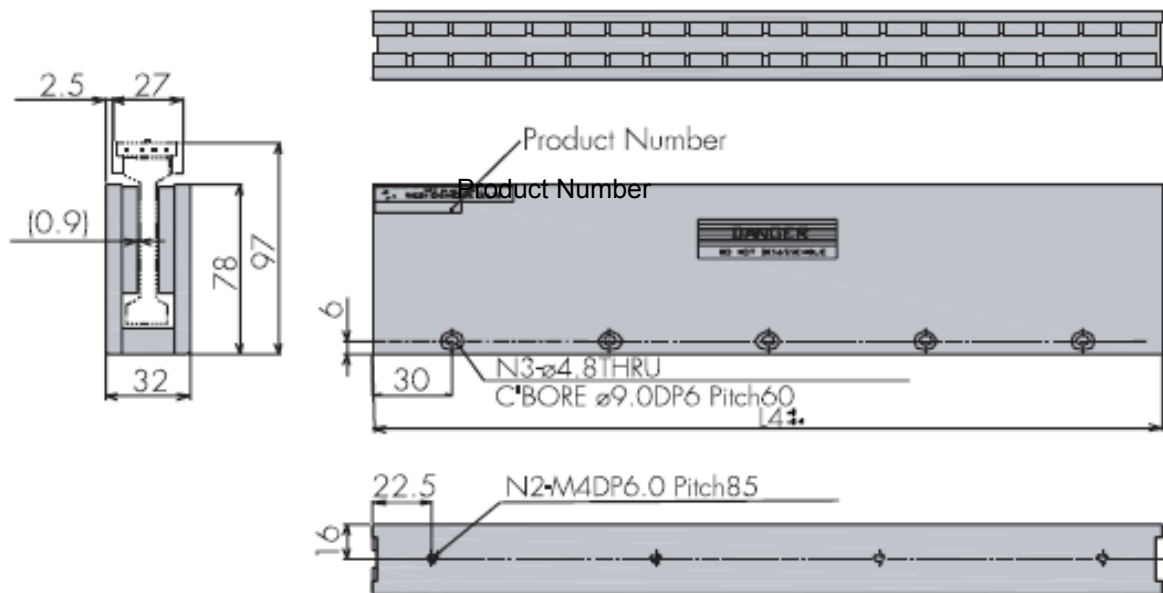
Dimensions (unit: mm)

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

Magnet plate



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