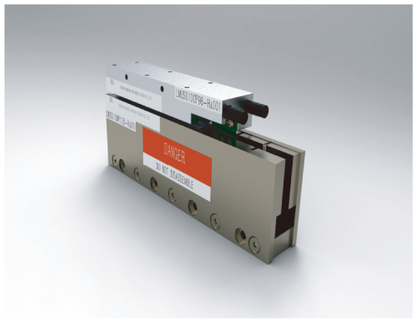


The LMUS010 series linear motor is a very efficient drive system that was developed to fit in the smallest possible space. This is most appropriate linear motor for the mimiturization of equipment in various fields.

Standard Specifications

Insulation Capacity	: AC1500V 1min
Operating Range	: 0~25°C
Cooling Method	: Self-cool
Insulation Resistance	: DC500V 100MΩ or more
Operating range (in controlled environment)	: 20~80%(No condensation)
Maximum temperature	: 125°C

Specification

Parameter	Unit	LMUS010-CP36	LMUS010-CP76	LMUS010-CP100
Performance Specifications				
Continuous Force	N	9.5	21	31
Peak Force	N	66.5	147	217
Electrical Specifications				
BEMF Constant(line-line,peak)	V/(m/s)	3.9	9.21	12.9
Continuous Current	Arms	1.98	1.86	1.96
Peak Current,Stall	Arms	13.9	13	13.7
Force Constant	N/Arms	4.27	10.77	14.95
Motor Constant	N/√W	2.5	3.55	4.2
Resistance,25°C (line-line)	Ω	2.2	5.5	7.7
Inductance,(line-line)	mH	0.22	0.55	0.84
Thermal Resistance	°C/W	6.5	2.8	1.8
Maximum Bus Voltage	V_{DC}	340	340	340
Machanical Specifications				
Coil Weight	kg	0.035	0.088	0.11
Coil Length	mm	33	69	93
Magnet Track Weight	kg/m	1.8	1.8	1.8
Magnetic Pole Pitch (NN)	mm	24	24	24

Notes：

1.Performance is dependent upon heat sink configuration, system cooling conditions,and ambient temperature.

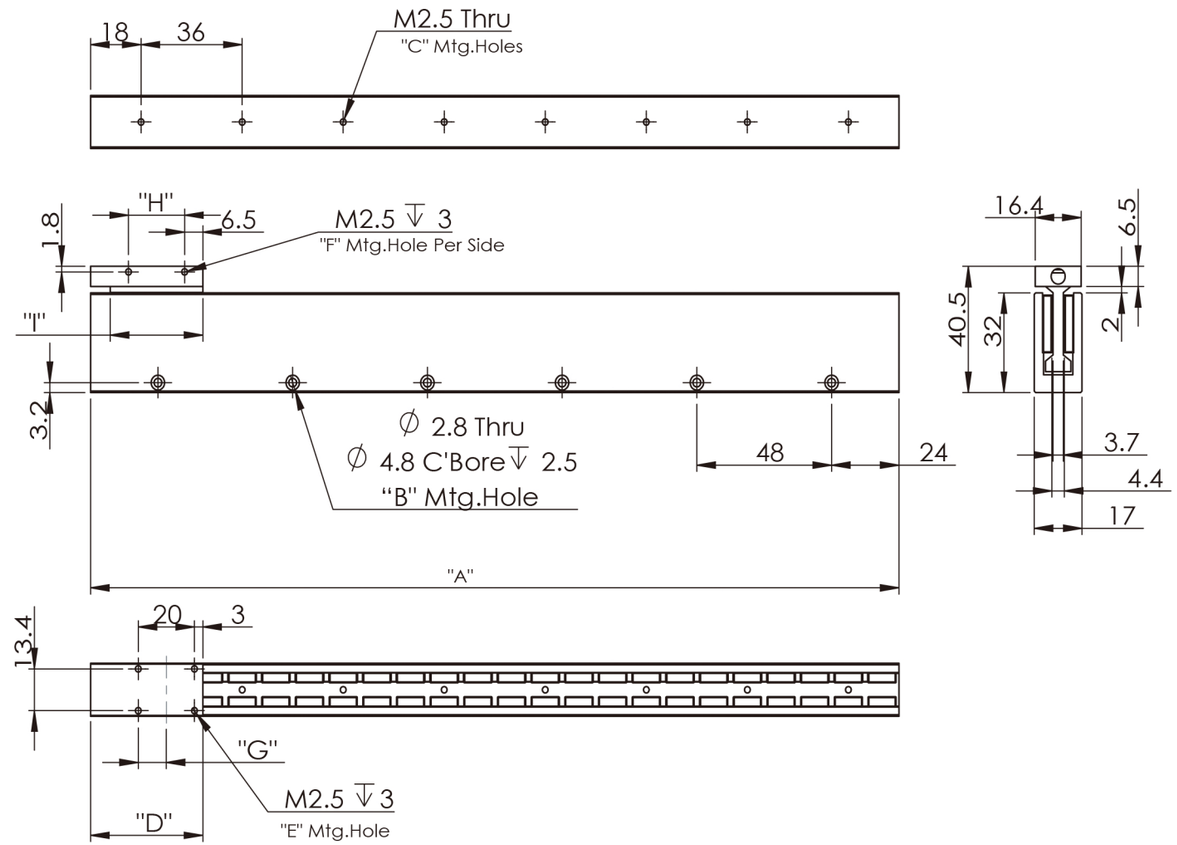
2.Values shown @ 100°C rise above a 25°C ambient temperature,with motor mounted to the specified aluminum heat sink.

3.Peak force assumes correct rms current;consult SMJ.

4.Force constant and motor constant specified at stall.

5.All performance and electrical specifications±10%.

Dimensions(mm)



Magnet Plate

Model No.	A	B	C
LMUS010-MP96	96	2	3
LMUS010-MP288	288	6	8

Coil Plate

Model No.	D	E	F	G	H	I
LMUS010-CP36	40	4	4	10	20	33
LMUS010-CP76	76	8	8	10	20	69
LMUS010-CP100	100	10	10	10	20	93