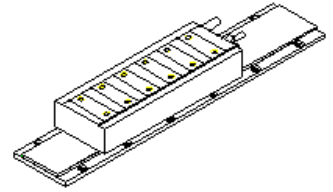


TSA-CM Series

Platen, Core Type Linear Motor

TSA-CM Series has improved driving force by applying laminated core
Optimal design of efficient magnetic circuit

- ▶ Rated Condition : Continuous
- ▶ Voltage Endurance : AC1500V, 1Min
- ▶ Operating Temperature : 0~40°C
- ▶ Power : 3-phase AC200~230V

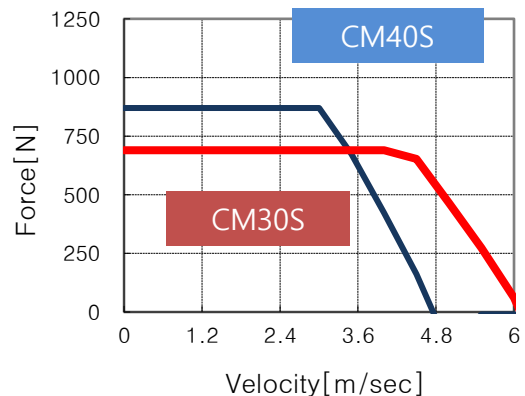
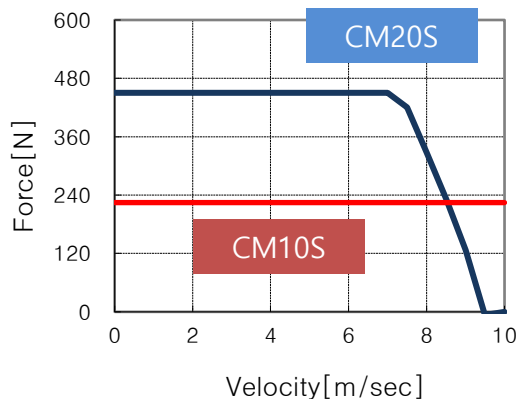


■ Specification

		CM10S	CM20S	CM30S	CM40S
Force [N]	Continuous	75	150	230	290
	MAX	225	450	690	870
Current [A _{rms}]	Continuous	3.8	3.8	3.8	3.8
	MAX	11.4	11.4	11.4	11.4
Back EMF [V _{rms} / (m/sec)]		7.0	13.5	20.9	26.8
Force Constant [N / A _{rms}]		19.7	39.5	60.5	76.3
Resistance [Ω]		1.7	3.4	5.0	6.7
Inductance [mH]		3.0	5.7	8.5	11.5
Magnetic Attraction Force [N]		400	750	1100	1500
Mover Mass [kg] ¹⁾		0.7	1.3	1.9	2.4

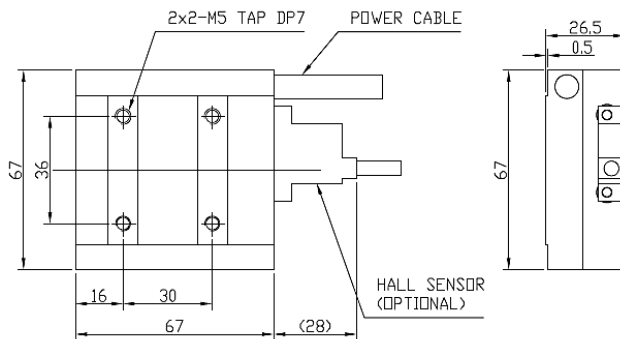
1) With Hall Sensor Module

■ Force-speed characteristic

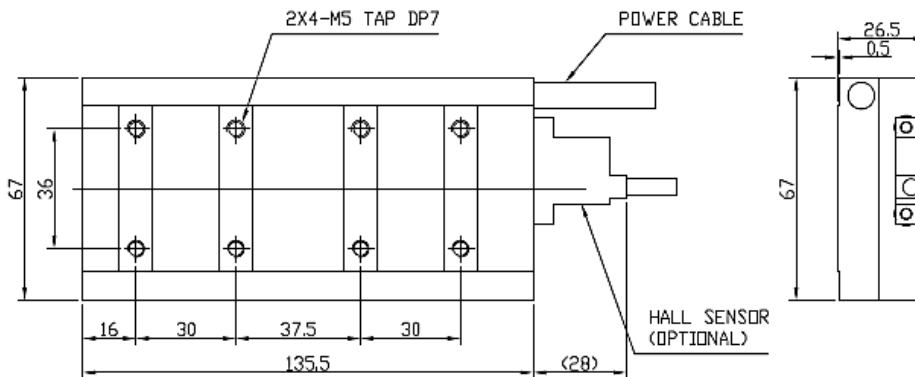


General Dimensions

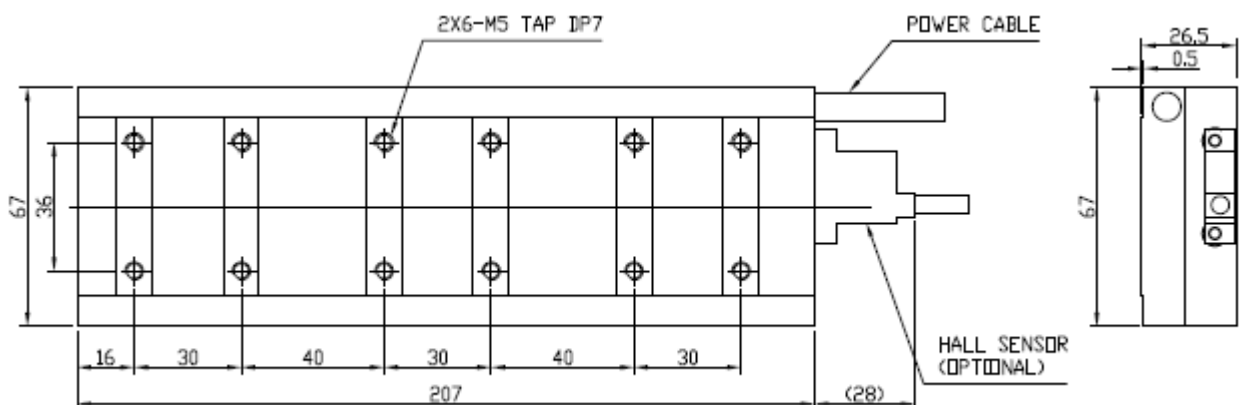
CM10S Dimensions



CM20S Dimensions

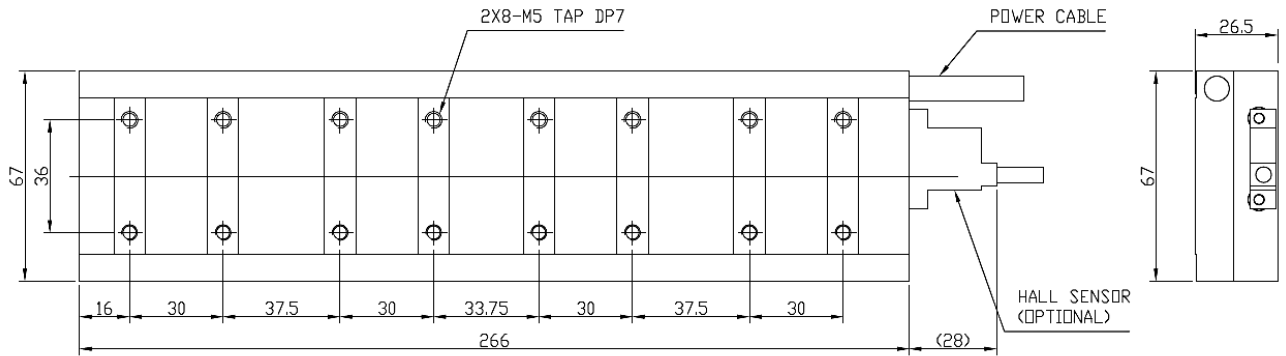


CM30S Dimensions

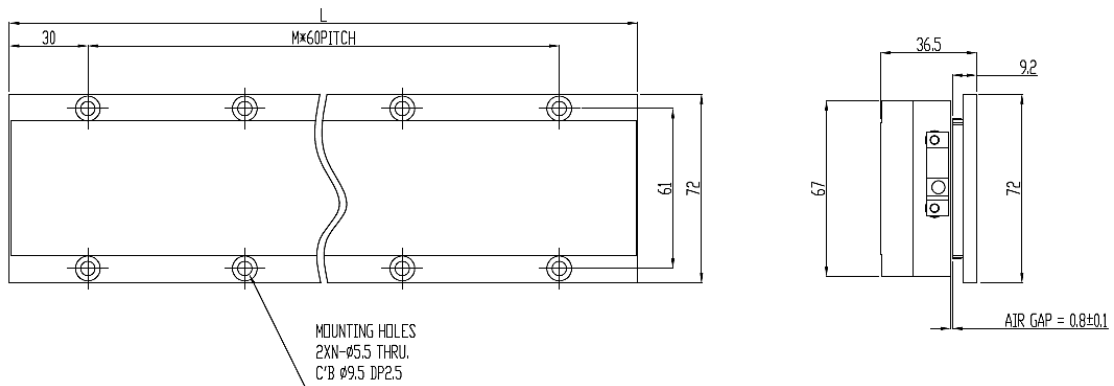


General Dimensions

CM40S Dimensions

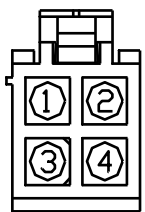


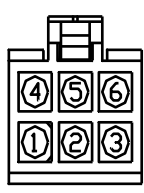
Stator Dimensions



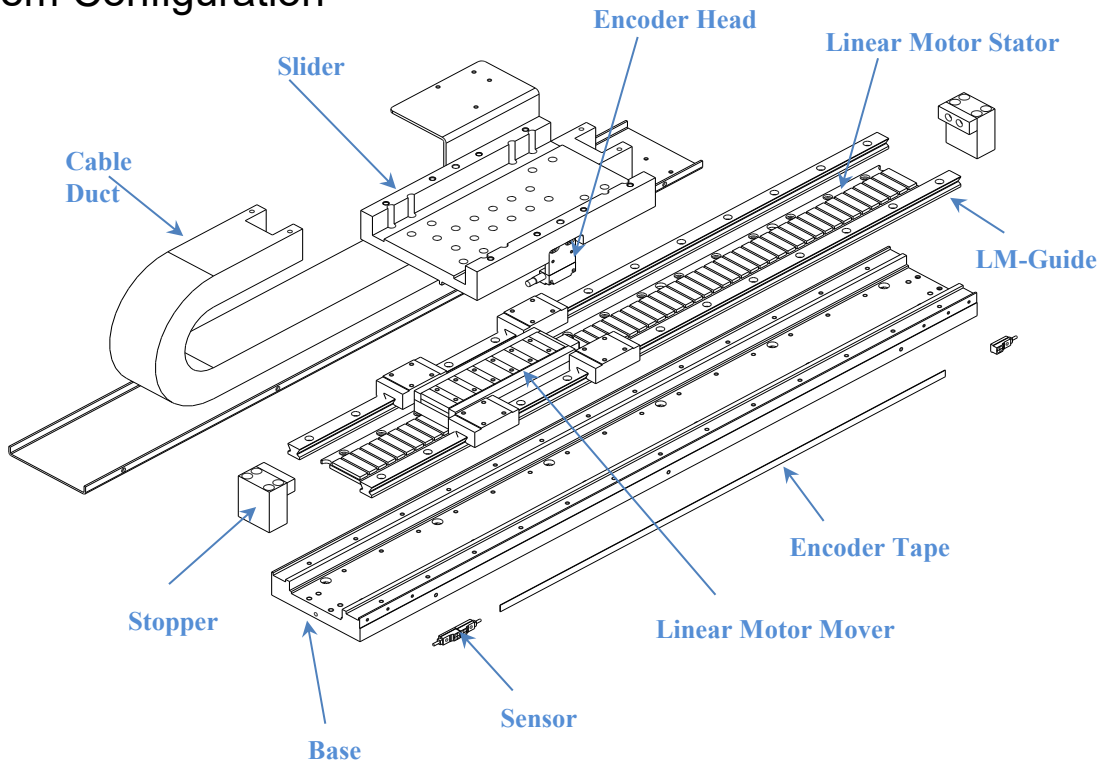
Model	L	M	N
CM 240	240	3	8
CM 300	300	4	10
CM 360	360	5	12
CM 420	420	6	14
CM 480	480	7	16
CM 540	540	8	18
CM 600	600	9	20

Connector

Power Connector		
	Housing	AMP172167-1
	Pin	AMP170360-1
	1	U(Red)
	2	V(Yellow)
	3	W(Blue)
4	FG(Green)	

Hall Sensor Connector		
	Housing	MOLEX5557D-06R
	Pin	MOLEX5556
	1	HA(Orange)
	2	HB(White)
	3	HC(Blue)
	4	5P(Red)
	5	5G(Black)
6	SHILED	

System Configuration



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