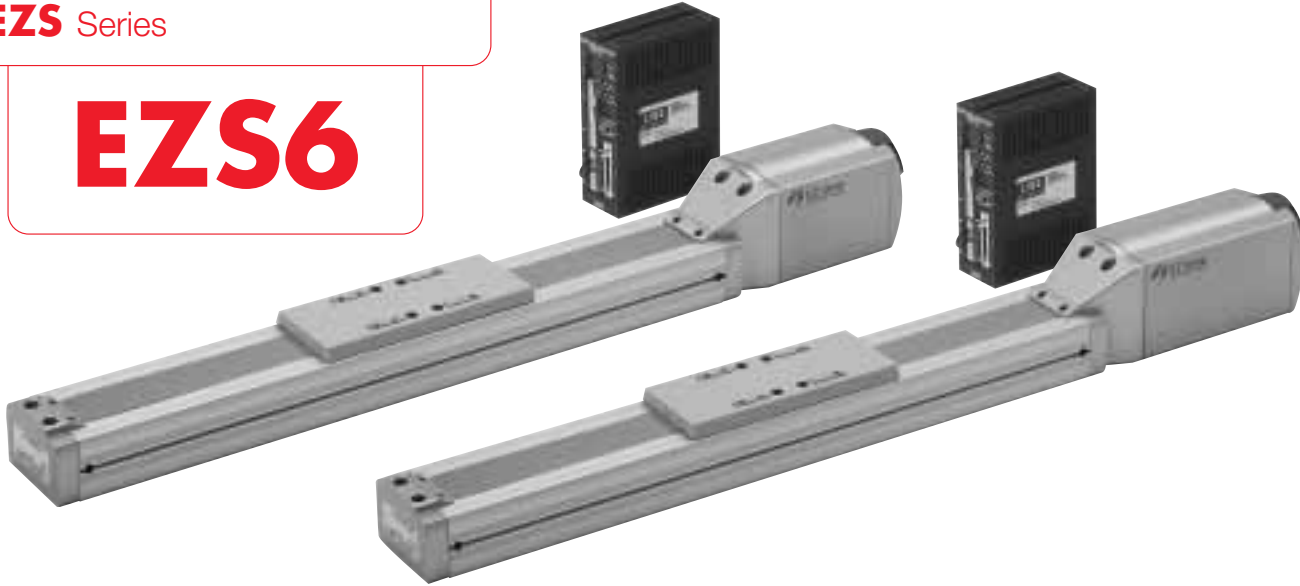


## EZS Series

# EZS6



### Specifications

Model	Incremental Type	EZS6-□CI			EZS6-□MCI		
	Absolute Type	EZS6-□CA			EZS6-□MCA		
Motor Type	Stepping Motor with Encoder						
Drive Method	Ball Screw						
Electromagnetic Brake	Not equipped			Equipped			
Speed Range	mm/s	~100	~200	~300	~100	~200	~300
Max. Transportable Mass	kg	Horizontal Direction			Vertical Direction		
		30	20	10	30	20	10
Max. Acceleration	m/s <sup>2</sup>	Horizontal Direction			Vertical Direction		
		2			2		
Max. Thrust Force	N	100	94	35	100	94	35
	kgf	10	9.4	3.5	10	9.4	3.5
Max. Holding Brake Force	N	Power ON			Power OFF		
	kgf	100			10		
		—			—		
		Electromagnetic Brake			100		
Repetitive Positioning Accuracy	mm	±0.02					
Resolution	mm	0.015					
Lead	mm	12					
Stroke	mm	100, 150, 200, 250, 300, 400, 500					
Mass of Linear Slide	kg	Stroke	100	150	200	250	
			4.0 (4.4)	4.3 (4.7)	4.5 (4.9)	4.7 (5.1)	
			300	400	500		
			5.0 (5.4)	5.5 (5.9)	5.9 (6.3)		
Ambient Temperature	°C	0~+40 (Nonfreezing)					

● See page 52 for the specification and dimensions of the controller.

### General Specifications

Item	Specification
Insulation Resistance	100 MΩ minimum when measured by a DC 500 V megger between the following places. <ul style="list-style-type: none"> <li>• Windings — Case</li> <li>• Case — Windings of electromagnetic brake (Only for electromagnetic brake equipped model)</li> </ul>
Dielectric Strength	Sufficient to withstand the following for one minute. <ul style="list-style-type: none"> <li>• Windings — Case AC 1.0 kV 50 Hz</li> <li>• Case — Windings of electromagnetic brake AC 1.0 kV 50 Hz (Only for electromagnetic brake equipped model)</li> </ul>

### Linear Slide/Controller Combinations

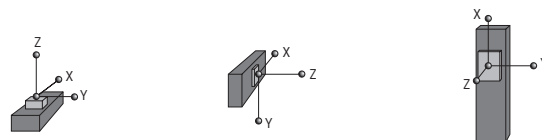
Type	Electromagnetic Brake	Model	Linear Slide Model	Controller Model
Incremental Type	Not equipped	EZS6-□CI	EZS6-□	EZMC36I
	Equipped	EZS6-□MCI	EZS6-□M	
Absolute Type	Not equipped	EZS6-□CA	EZS6-□	EZMC36A
	Equipped	EZS6-□MCA	EZS6-□M	

\*The box (□) in the model name and linear slide model name represents the code for stroke length.

### Allowable Overhung Length (mm)

\* The length from the center of load's mounting surface to the center of gravity of the object being carried.

- Horizontal Installation
- Wall Mount Installation
- Vertical Installation



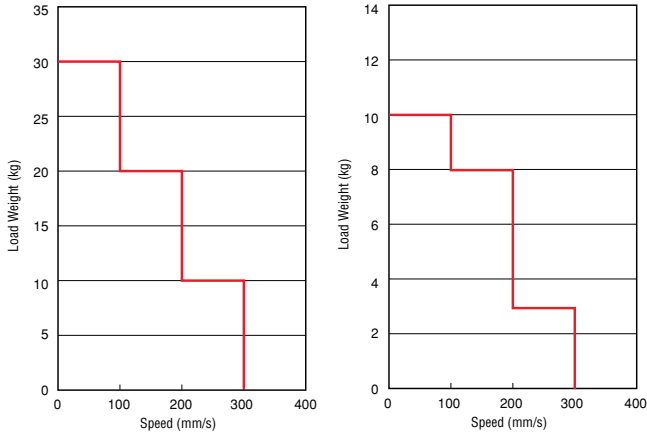
Carried Weight	X	Y	Z	Carried Weight	X	Y	Z	Carried Weight	X	Y	Z
10kg	500	414	500	10kg	100	490	414	3kg	500	277	500
20kg	386	207	500	20kg	50	245	179	8kg	500	104	500
30kg	257	137	500	30kg	33	163	100	10kg	500	83	500

The values shown in the tables are for uni-axial loading. For multi-axis loading please contact an Oriental Motor representative for assistance.

### Correlation Diagram of Speed and Load Weight

● Horizontal Direction

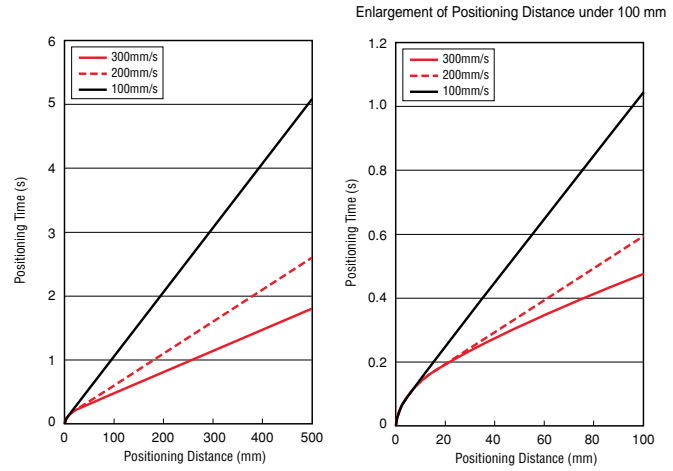
● Vertical Direction



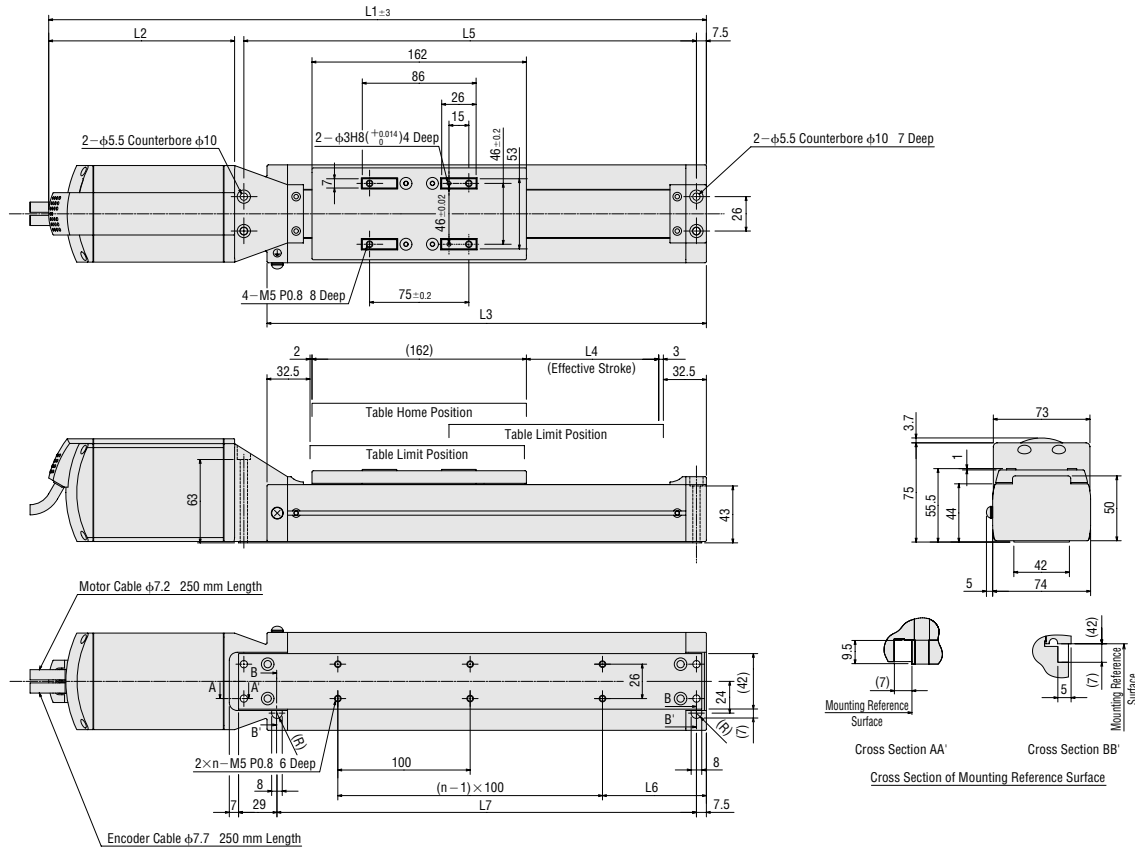
### Minimum Positioning Time

Acceleration: 2 m/s<sup>2</sup> Starting Speed: 6 mm/s

● Horizontal Direction/ Vertical Direction



### Dimensions unit: mm



Linear Slide Model	L1	L2	L3	L4	L5	L6	L7	n
EZS6-10	497	140.5	332	100	342	78.5	317	3
EZS6-10M	532	175.5						
EZS6-15	547	140.5	382	150	392	53.5	367	4
EZS6-15M	582	175.5						
EZS6-20	597	140.5	432	200	442	78.5	417	4
EZS6-20M	632	175.5						
EZS6-25	647	140.5	482	250	492	53.5	467	5
EZS6-25M	682	175.5						
EZS6-30	697	140.5	532	300	542	78.5	517	5
EZS6-30M	732	175.5						
EZS6-40	797	140.5	632	400	642	78.5	617	6
EZS6-40M	832	175.5						
EZS6-50	897	140.5	732	500	742	78.5	717	7
EZS6-50M	932	175.5						