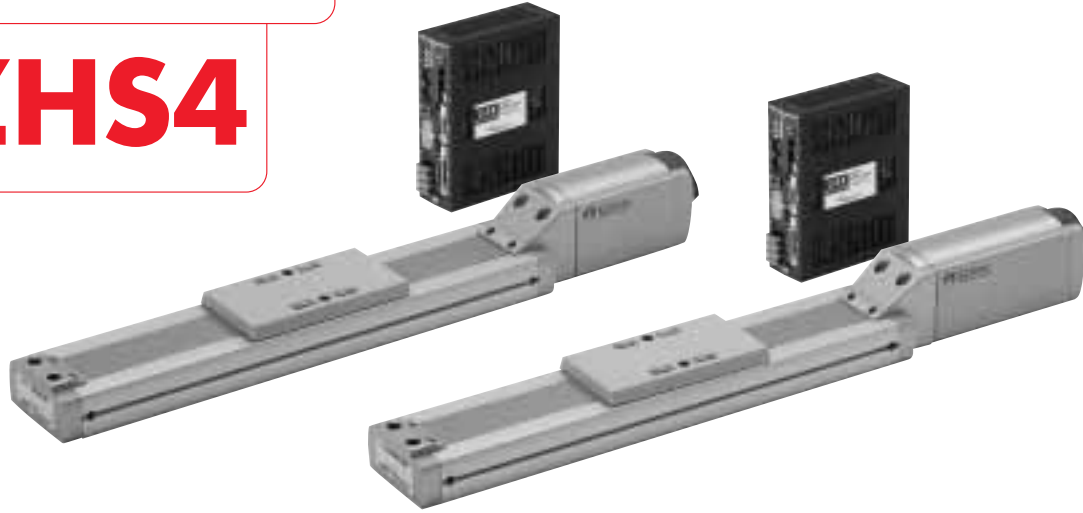


EZHS Series

EZHS4



Specifications

Model	Incremental Type	EZHS4A-□I				EZHS4A-□MI					
	Absolute Type	EZHS4A-□A				EZHS4A-□MA					
Motor Type	Stepping Motor with Built-in Rotor-Position Sensor										
Drive Method	Ball Screw										
Electromagnetic Brake	Not equipped / Equipped										
Speed Range	mm/s	~400	~600	~800	~400	~600	~800				
Max. Transportable Mass	kg	Horizontal Direction				Vertical Direction					
		15				7, 4.5, 3.5					
Max. Acceleration	m/s ²	Horizontal Direction				Vertical Direction					
		2.5				2.5					
Max. Thrust Force	N kgf	70 7	55 5.5	43 4.3	70 7	55 5.5	43 4.3				
		Power ON				Power OFF					
Max. Holding Brake Force	N kgf	70 7				70 7					
		—				—					
		Electromagnetic Brake				70 7					
Repetitive Positioning Accuracy	mm	±0.02									
Resolution	mm	0.01									
Lead	mm	12									
Stroke	mm	50, 100, 150, 200, 250, 300, 400, 500									
Mass of Linear Slide	kg	Stroke	50 : 2.4 (2.6)	100 : 2.6 (2.8)	150 : 2.8 (3.0)	200 : 3.0 (3.2)					
			250 : 3.2 (3.4)	300 : 3.4 (3.6)	400 : 3.8 (4.0)	500 : 4.2 (4.4)					
Ambient Temperature	°C	0~+40 (Nonfreezing)									

● See page 54 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"> Windings — Case Case — Windings of electromagnetic brake (Only for electromagnetic brake equipped model)
Dielectric Strength	Sufficient to withstand the following for one minute. <ul style="list-style-type: none"> Windings — Case AC 1.0 kV 50 Hz Case — Windings of electromagnetic brake AC 1.0 kV 50 Hz (Only for electromagnetic brake equipped model)

Linear Slide/Controller Combinations

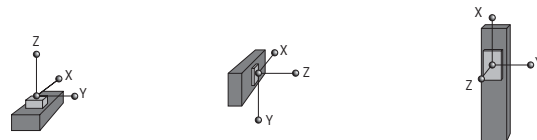
Type	Electromagnetic Brake	Model	Linear Slide Model	Controller Model
Incremental Type	Not equipped	EZHS4A-□I	EZHS4A-□	EZMC13I-A
	Equipped	EZHS4A-□MI	EZHS4A-□M	
Absolute Type	Not equipped	EZHS4A-□A	EZHS4A-□	EZMC13A-A
	Equipped	EZHS4A-□MA	EZHS4A-□M	

*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



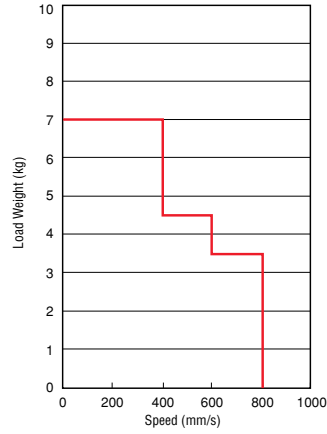
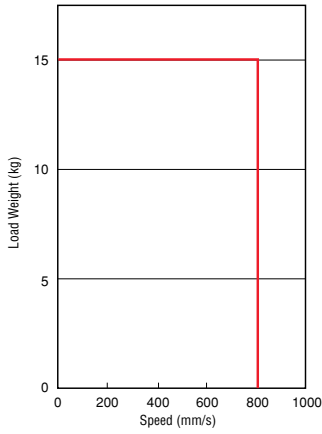
Carried Weight	X	Y	Z	Carried Weight	X	Y	Z	Carried Weight	X	Y	Z
5kg	158	108	300	5kg	28	108	300	3.5kg	166	31	166
10kg	73	54	286	10kg	14	54	132	4.5kg	123	24	123
15kg	45	36	175	15kg	9	36	76	7kg	69	16	69

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

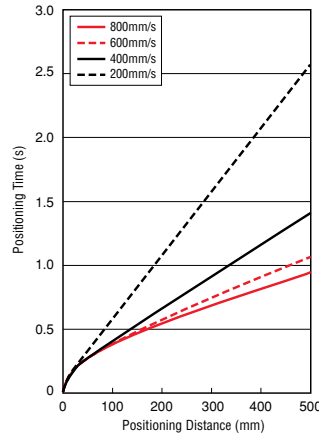
● Vertical Direction



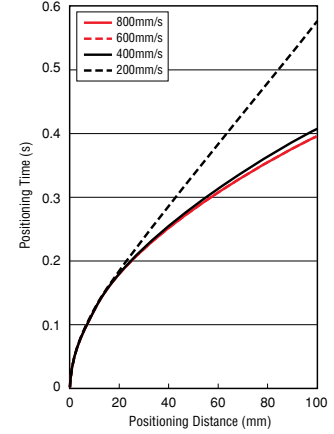
Minimum Positioning Time

Acceleration: 2.5 m/s² Starting Speed: 6 mm/s

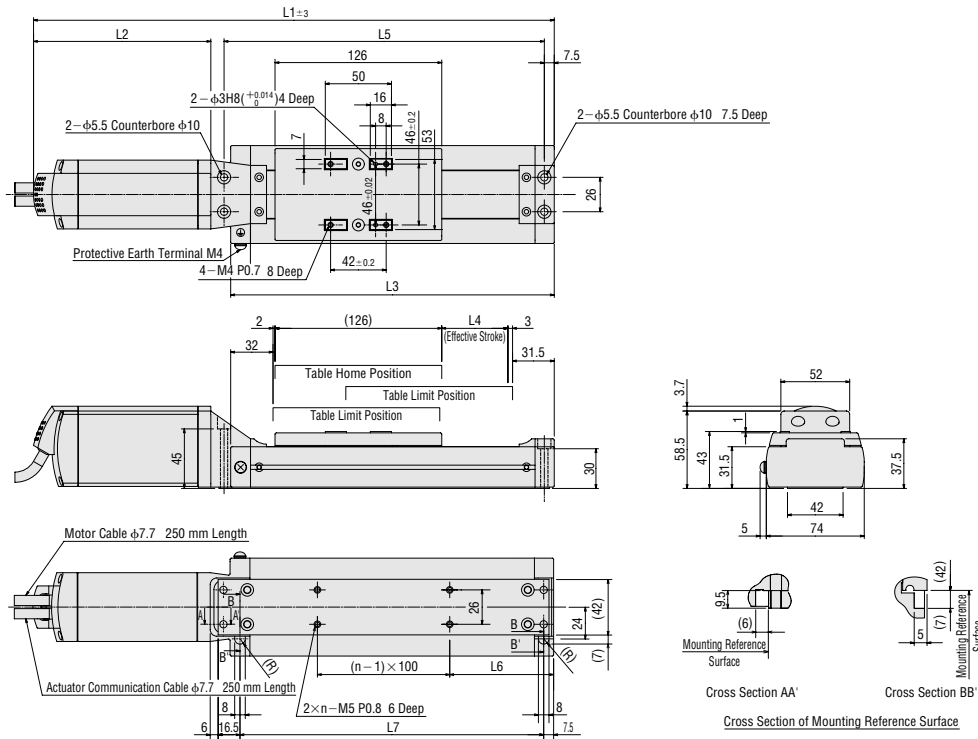
● Horizontal Direction/ Vertical Direction



Enlargement of Positioning Distance under 100 mm



Dimensions unit: mm



Linear Slide Model	L1	L2	L3	L4	L5	L6	L7	n
EZHS4A-05	393.5	134	244.5	50	242	78.5	229.5	2
EZHS4A-05M	423.5	164						
EZHS4A-10	443.5	134	294.5	100	292	53.5	279.5	3
EZHS4A-10M	473.5	164						
EZHS4A-15	493.5	134	344.5	150	342	78.5	329.5	3
EZHS4A-15M	523.5	164						
EZHS4A-20	543.5	134	394.5	200	392	53.5	379.5	4
EZHS4A-20M	573.5	164						
EZHS4A-25	593.5	134	444.5	250	442	78.5	429.5	4
EZHS4A-25M	623.5	164						
EZHS4A-30	643.5	134	494.5	300	492	53.5	479.5	5
EZHS4A-30M	673.5	164						
EZHS4A-40	743.5	134	594.5	400	592	53.5	579.5	6
EZHS4A-40M	773.5	164						
EZHS4A-50	843.5	134	694.5	500	692	53.5	679.5	7
EZHS4A-50M	873.5	164						