

### 3 Check Specifications

## Linear Servo Type



The linear servo type is available as a slider type for [positioning](#), or as a rod type for [pushing](#). See below for the selection criteria.

#### [Positioning] (Slider Type)

For positioning motions, the criteria for selection are: (1) stroke; (2) load capacity; and (3) speed. From the table below, select a model that meets your requirements for the stroke, load capacity, and speed. For linear servo type, the maximum possible acceleration decreases as the load capacity increases. Check the specifications for the load capacity and acceleration on each page.

#### [Pushing] (Rod Type)

For pushing motions, the criteria for selection are: (1) stroke and (2) maximum pushing force. From the table below, select a model that meets your requirements for the stroke and pushing force. Moreover, the pushing force is adjustable between 30% to 80% (max. pushing force at 80%).

#### [How to Read the Table]

Linear Servo Type														
Type	Stroke (mm) and Maximum Speed (mm/sec)							Rated Thrust (N)	Maximum Push Force (N)	Load Capacity (kg)	Encoder Type	Controller Input Power	Model	See Page
	25mm	30	40	48	64	100	200							
SA1L			420					2	-	0.5			RCL-SA1L-I-2-N-40	P.373
SA2L				460				4	-	1			RCL-SA2L-I-5-N-48	P.375
SA3L					600			8	-	2			RCL-SA3L-I-10-N-64	P.377
SA4L						1200		2.5	-	0.8			RCL-SA4L-I-2-N-***	P.379
SA5L							1400	5	-	1.6			RCL-SA5L-I-5-N-***	P.383
SA6L								10	-	3.2	I	⊖24V	RCL-SA6L-I-10-N-***	P.387

↑ Maximum Speed      ↑ Horizontal Load Capacity      ↑ Vertical Load Capacity  
↑ Stroke Range

Linear Servo Type														
Type	Stroke (mm) and Maximum Speed (mm/sec)							Rated Thrust (N)	Maximum Push Force (N)	Load Capacity (kg)	Encoder Type	Controller Input Power	Model	See Page
	25mm	30	40	48	64	100	200							
SA1L			420					2	-	0.5			RCL-SA1L-I-2-N-40	P.373
SA2L				460				4	-	1			RCL-SA2L-I-5-N-48	P.375
SA3L					600			8	-	2			RCL-SA3L-I-10-N-64	P.377
SA4L						1200		2.5	-	0.8			RCL-SA4L-I-2-N-***	P.379
SA5L							1400	5	-	1.6			RCL-SA5L-I-5-N-***	P.383
SA6L								10	-	3.2	I	⊖24V	RCL-SA6L-I-10-N-***	P.387
SM4L						1200		2.5	-	0.8			RCL-SM4L-I-2-N-***	P.381
SM5L							1400	5	-	1.6			RCL-SM5L-I-5-N-***	P.385
SM6L								10	-	3.2			RCL-SM6L-I-10-N-***	P.389
RA1L	300							2.5	2	0.5			RCL-RA1L-I-2-N-25	P.391
RA2L		340						5	4	1			RCL-RA2L-I-5-N-30	P.393
RA3L			450					10	8	2			RCL-RA3L-I-10-N-40	P.395

↑ Small Size  
↓ Large Size

I = Incremental      A = Absolute      ⊖ = DC      ⊕ = AC