

3 Check Specifications

Table Type



Similar to the rod type, the table type can be used for [positioning](#) and [pushing](#). The rod type is recommended for pushing motions, as it exerts stronger force and has more variety.

[Positioning]

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 and pushing force. For [RCP3](#) and [RCP2](#), which use a pulse motor, [the load capacity changes with speed](#). See the "[Speed vs. Load Capacity](#)" chart on each respective page to check if your desired speed and load capacity are supported.

[How to Read the Table]

Table 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	50	75	100	150	200	250			300	H					V
TC3		200								25.1	-	0.25	0.125			RCA2-TC3N-I-10-4S-30	P.289
		100								50.3	-	0.5	0.25			RCA2-TC3N-I-10-2S-30	
		50								100.5	-	1	0.5			RCA2-TC3N-I-10-1S-30	
TC4		270	<220>							33.8	-	2	0.5			RCA2-TC4N-I-20-6-30	P.291
		200								50.7	-	3	0.75	I	⊖24V	RCA2-TC4N-I-20-4-30	
		100								101.5	-	6	1.5			RCA2-TC4N-I-20-2-30	

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

Table 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	50	75	100	150	200	250			300	H					V
TC3		200								25.1	-	0.25	0.125			RCA2-TC3N-I-10-4S-30	P.289
		100								50.3	-	0.5	0.25			RCA2-TC3N-I-10-2S-30	
		50								100.5	-	1	0.5			RCA2-TC3N-I-10-1S-30	
TC4		270	<220>							33.8	-	2	0.5			RCA2-TC4N-I-20-6-30	P.291
		200								50.7	-	3	0.75	I	⊖24V	RCA2-TC4N-I-20-4-30	
		100								101.5	-	6	1.5			RCA2-TC4N-I-20-2-30	
TW3		200								19.9	-	0.25	0.125			RCA2-TW3N-I-10-4S-30	P.293
		100								29.8	-	0.5	0.25			RCA2-TW3N-I-10-2S-30	
		50								59.7	-	1	0.5			RCA2-TW3N-I-10-1S-30	
TW4		270	<220>							33.8	-	2	0.5			RCA2-TW4N-I-20-6-30	P.295
		200								50.7	-	3	0.75	I	⊖24V	RCA2-TW4N-I-20-4-30	
		100								101.5	-	6	1.5			RCA2-TW4N-I-20-2-30	
TF3		200								19.9	-	0.25	0.125			RCA2-TF3N-I-10-4S-30	P.297
		100								29.8	-	0.5	0.25			RCA2-TF3N-I-10-2S-30	
		50								59.7	-	1	0.5			RCA2-TF3N-I-10-1S-30	
TF4		270	<220>							33.8	-	2	0.5			RCA2-TF4N-I-20-6-30	P.299
		200								50.7	-	3	0.75	I	⊖24V	RCA2-TF4N-I-20-4-30	
		100								101.5	-	6	1.5			RCA2-TF4N-I-20-2-30	
TF4		200								19.9	-	0.25	0.125			RCA2-TF4N-I-20-6S-30	P.299
		200								29.8	-	0.5	0.25			RCA2-TF4N-I-20-4S-30	
		100								59.7	-	1	0.5			RCA2-TF4N-I-20-2S-30	

* < > is for vertical use

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

Model Selection

E ROBO CYLINDER
RCP3

Table Type

Type	Stroke (mm) and Maximum Speed (mm/sec) <small>* Length of bar = stroke * Number inside bar = max. speed by stroke, < > denotes vertical use</small>	Rated Thrust (N)	Maximum Push Force (N)	Load Capacity (kg)		Encoder Type	Controller Input Power	Model <small>* □ denotes motor shape ○ denotes encoder type *** denotes stroke</small>	See Page
				H	V				
				25mm	30				
TA3	300<200>	-	9	-0.7	-0.3			RCP3-TA3□-I-20P-6-***	P.269
	200<133>	-	14	-1.4	-0.6			RCP3-TA3□-I-20P-4-***	
	100<67>	-	28	-2	-1			RCP3-TA3□-I-20P-2-***	
TA4	300	-	15	-1	-0.5			RCP3-TA4□-I-28P-6-***	P.271
	200	-	22	-2	-1	I	⊖24V	RCP3-TA4□-I-28P-4-***	
	100	-	44	-3	-1.5			RCP3-TA4□-I-28P-2-***	
TA5	300	28	-	1	0.5			RCA2-TA4□-I-10-6-***	P.301
	200	43	-	2	1			RCA2-TA4□-I-10-4-***	
	100	85	-	3	1.5			RCA2-TA4□-I-10-2-***	
TA5	465<400>	-	34	-2	-1			RCP3-TA5□-I-35P-10-***	P.273
	250	-	68	-4	-1.5			RCP3-TA5□-I-35P-5-***	
	125	-	136	-6	-3	I	⊖24V	RCP3-TA5□-I-35P-2.5-***	
	465<400>	34	-	2	1			RCA2-TA5□-I-20-10-***	
TA6	250	68	-	3.5	2			RCA2-TA5□-I-20-5-***	P.303
	125	137	-	5	3			RCA2-TA5□-I-20-2.5-***	
	560<500>	-	47	-4	-1			RCP3-TA6□-I-42P-12-***	
	300	-	95	-6	-2			RCP3-TA6□-I-42P-6-***	
TA6	150	-	189	-8	-4	I	⊖24V	RCP3-TA6□-I-42P-3-***	P.275
	560<500>	17	-	2	0.5			RCA2-TA6□-I-20-12-***	
	300	34	-	4	1.5			RCA2-TA6□-I-20-6-***	
	150	68	-	6	3			RCA2-TA6□-I-20-3-***	
TA7	600<580>	-	47	-6	-1			RCP3-TA7□-I-42P-12-***	P.277
	300	-	95	-8	-2			RCP3-TA7□-I-42P-6-***	
	150	-	189	-10	-4	I	⊖24V	RCP3-TA7□-I-42P-3-***	
	600<580>	26	-	4	1			RCA2-TA7□-I-30-12-***	
TA7	300	53	-	6	2.5			RCA2-TA7□-I-30-6-***	P.307
	150	105	-	8	4			RCA2-TA7□-I-30-3-***	

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Arm Type / Flat Type

Type	Stroke (mm) and Maximum Speed (mm/sec) <small>* Length of bar = stroke * Number inside bar = max. speed by stroke, < > denotes vertical use</small>	Thrust (N)	Load Capacity (kg)		Encoder Type	Controller Input Power	Model <small>* □ denotes motor shape ○ denotes encoder type *** denotes stroke</small>	See Page
			H	V				
			25mm	30				
A4R	330	39.2	-	2.5			RCA-A4R-○-20-10-***	P.317
	165	78.4	-	4.5	I	⊖24V	RCA-A4R-○-20-5-***	
	330	39.2	-	2.5	A	⊖100V ⊖200V	RCS2-A4R-○-20-10-***	
	165	78.4	-	4.5			RCS2-A4R-○-20-5-***	
A5R	400	33.3	-	2			RCA-A5R-○-20-12-***	P.319
	200	65.7	-	4	I	⊖24V	RCA-A5R-○-20-6-***	
	400	33.3	-	2	A	⊖100V ⊖200V	RCS2-A5R-○-20-12-***	
A6R	200	65.7	-	4			RCS2-A5R-○-20-6-***	P.325
	400	48.4	-	3			RCA-A6R-○-30-12-***	
	200	96.8	-	6	I	⊖24V	RCA-A6R-○-30-6-***	
A6R	400	48.4	-	3	A	⊖100V ⊖200V	RCS2-A6R-○-30-12-***	P.327
	200	96.8	-	6			RCS2-A6R-○-30-6-***	
	800	63.8	-	2			RCS2-F5D-○-60-16-***	
F5D	400	127.5	-	5			RCS2-F5D-○-60-8-***	P.329
	200	255.1	-	11.5	I	⊖100V	RCS2-F5D-○-60-4-***	
	800	105.8	-	3.5	A	⊖200V	RCS2-F5D-○-100-16-***	
	400	212.7	-	9			RCS2-F5D-○-100-8-***	
F5D	200	424.3	-	18			RCS2-F5D-○-100-4-***	

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