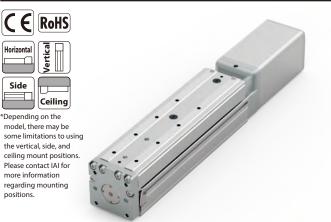
Body Width Motor **24**_v Table Unit 70 mm Coupled Motor Steppe Motor Туре Type ■ Model **TA7C** — WA **56P** Specification Applicable Controller/I/O Type Encoder Type — Motor Type Stroke Cable Length Options Items [RCP6] P3: PCON N : None P : 1m Please refer to the options table below. RCP6: Separate Controller WA: Battery-less 56P: Stepper 24: 24mm 25: 25mm RCP6S: Built-in Controller Absolute Motor 16: 16mm 8: 8mm S:3m M:5m XDD:5 56□ Size 390: 390mm MCON MSEL 4: 4mm * RCP6 does not include a controller. RCP6S includes a built-in controller. X□□ : Specified Length R□□ : Robot Cable * Please refer to P.12 for more information about the model specification items. SE: SIO Type

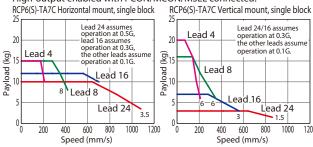


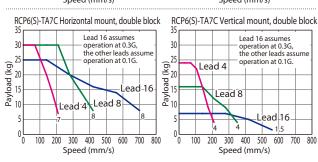
.01%

- $\hbox{(1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.}\\$
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (RCP6 Tables of Payload by Speed/Acceleration) on P.115 for more details.
- (3) When performing push-motion operation, please confirm the push force of each model by checking the "Correlation diagram of push force and current limit" on P.113.
- (4) Depending on the ambient operational temperature, duty control is necessary for the RCP6S (built-in controller type) with lead 4/8/16. Please refer to P.130 for more information. (5) High-rigidity (double-block) specification can be selected as an option.

■ Correlation Diagrams of Speed and Payload

High-output enabled with PCON/MCON/MSEL connected.





Actuator Specifications

	Lead and Payload							
	Model Number		Connected	Max. Payload		Stroke		
	Model Number		Controller	Horizontal (kg)	Vertical (kg)	(mm)		
长	RCP6(S)-TA7C-WA-56P-24-①-②-③-④	24	High-output Enabled	10	3			
Block	RCP6(S)-TA7C-WA-56P-16-①-②-③-④	16	High-output Enabled	12	7	25~300		
Single	RCP6(S)-TA7C-WA-56P-8-①-②-③-④	8	High-output Enabled	15	16	25~500		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	RCP6(S)-TA7C-WA-56P-4-①-②-③-④	4	High-output Enabled	15	20			
Block	RCP6(S)-TA7C-WA-56P-16-①-②-③-④	16	High-output Enabled	25	7			
	RCP6(S)-TA7C-WA-56P-8-①-②-③-④	8	High-output Enabled	30	16	40~390		
Double	RCP6(S)-TA7C-WA-56P-4-①-②-③-④	4	High-output Enabled	30	24			
Leg	Legend: ① Stroke ② Applicable controller/I/O type ③ Cable length ④ Options							

■ St	roke and	Max. Spe	eed	(Uni	t: mm/s)			
Lead	Connected	Single Block	Do	ck				
(mm)	Controller	25~300	40~290	340	390			
24	High-output Enabled	1,080 <860>	-					
16	High-output Enabled	700 <560>	70 <50	00 50>	600 <560>			
8	High-output Enabled	420 <350>	420 <350>					
4	High-output Enabled	210	210	180	150			
	Values in brackets < > are for vertical use							

Values in brackets < > are for vertical use

① Stroke						
	Single Block		Double Block			
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S	
25	0	0	40	0	0	
50	0	0	65	0	0	
75	0	0	90	0	0	
100	0	0	140	0	0	
125	0	0	190	0	0	
150	0	0	240	0	0	
175	0	0	290	0	0	
200	0	0	340	0	0	
250	0	0	390	0	0	
200	0	0				

③ Cable Length					
Cable Type	Cable Code	RCP6	RCP6S		
,	P (1m)	0	0		
Standard	S (3m)	0	0		
	M (5m)	0	0		
	X06 (6m) ~X10 (10m)	0	0		
Specified Length	X11 (11m) ~X15 (15m)	0	0		
	X16 (16m) ~X20 (20m)	0	0		
	R01 (1m) ~R03 (3m)	0	0		
	R04 (4m) ~R05 (5m)	0	0		
Robot Cable	R06 (6m) ~R10 (10m)	0	0		
	R11 (11m) ~R15 (15m)	0	Ó		
	R16 (16m) ~R20 (20m)	0	Ó		

 $^{^{*}}$ Please refer to P.144 for more information regarding the maintenance cables.

4 Options

Name	Option Code	Reference Page
1100110	Option code	3
Brake	В	See P.105
Cable exit direction (Top)	CJT	See P.105
Cable exit direction (Right)	CJR	See P.105
Cable exit direction (Left)	CJL	See P.105
Cable exit direction (Bottom)	CJB	See P.105
High-rigidity (Double-block guide)	DB	See P.105
Non-motor end specification	NM	See P.110

[#] When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM)

Actuator Specifications

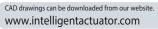
ltem		Description		
Drive system		Ball screw \phi12mm, rolled C10		
Positioning repeatability		±0.01mm		
Lost motion		0.1mm or less		
Base		Material: Aluminum with white alumite treatment		
Static allowable moment	Single block	Ma: 115N•m, Mb: 115N•m, Mc: 229N•m		
Static allowable moment	Double block	Ma: 620N·m, Mb: 620N·m, Mc: 458N·m		
Dynamic allowable moment (*)	Single block	Ma: 44.7N•m, Mb: 44.7N•m, Mc: 89.1N•m		
Dynamic allowable moment (*)	Double block	Ma: 196N•m, Mb: 196N•m, Mc: 145N•m		
Ambient operating temp. & humidity		0~40°C, 85% RH or less (Non-condensing)		

^(*) Assumes a standard rated life of 5,000km. The service life will vary depending on operation and installation conditions.

Please refer to our website for more information regarding the directions of the allowable moment and overhang load length.

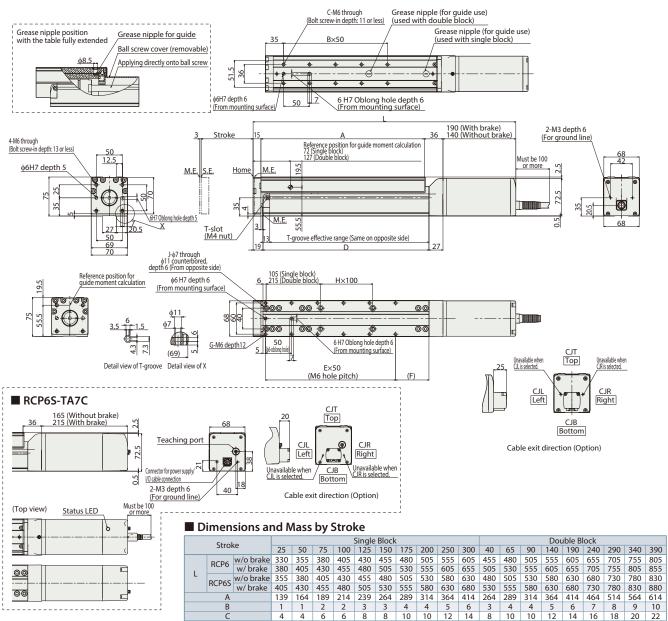
Please refer to RCP6 instruction manual regarding the displacement of the table.

Dimensions





*1 When the table is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the M.E. S.E: Stroke end



				. Please select ti	he type depend	• ,	ended use. * Please refer to P.147 for mo		t-in controller of RCP6S series
	External view	Max. number of controlled axes		Positioner	Control method Positioner Pulse train Program Network *Option			Maximum number of positioning points	Reference page
PCON-CB/CGB	I	1	DC24V	• *Option	• *Option	-	DeviceNet MENAPOUN CC-Link EtherCAT. ET	512 (768 for network spec.)	Please see P.131
MCON-C/CG	m	4	DC24V	This model is network-compatible only.		_	CompoNet Note: The type of compatible networks	256	Please see the MCO catalog.
MSEL-PC/PG		4	Single-phase 100~230VAC	_	-	•	will vary depending on the controller. Please refer to reference page for more information.	30,000	Please see the MSEL PC/PG catalog.

39 64

0

8

39

10

 w/o brake
 4.3
 4.5
 4.7
 5.0
 5.2
 5.4
 5.8
 6.3
 5.3

 w/ brake
 4.3
 4.5
 4.7
 5.0
 5.2
 5.4
 5.8
 6.3
 6.7
 5.8

 w/o brake
 4.0
 4.3
 4.5
 4.7
 4.9
 5.1
 5.3
 5.6
 6.0
 6.4
 5.5

39

6 0

w/ brake 4.5 4.7

RCP6 Mass

(kg) RCP6S

10

12 1

64 39

10 1

10

64 12 0

5.8 6.2

14

144 169 194 219 244 269 294 319 369 419 269 294 319 369 419 469 519 569 619

64

4

10 0

5.3 5.6

39

12 0

6.0 5.7 6.2 5.9

6 64

64

12 1 14 2 16 2 18

8.0 7.7 8.4 8.8

18 2

16 1

6.6 7.1 6.4 6.8