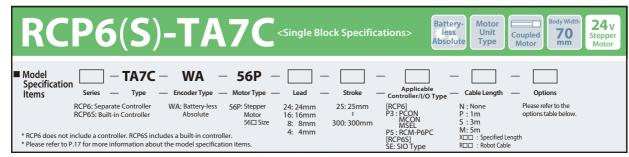
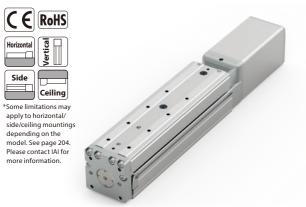
109 RCP6(S)-TA7C

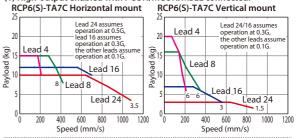


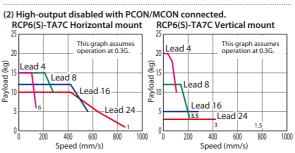


- (1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (Tables of Payload by Speed/Acceleration) on P.227 for more details.
- (3) Please refer to P205 for performing push-motion operation.
- (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.247 for more information.

# ■ Correlation Diagrams of Speed and Payload

(1) High-output enabled with PCON/MCON/MSEL connected. RCP6(S)-TA7C Horizontal mount





# Actuator Specifications \* Push force only available during push mode w / limited speed. ■ Lead and Payload Load Connected Max Payload May Push Stroke

	Model Number						
	Model Number	(mm)	Controller	Horizontal (kg)	Vertical (kg)	Force (N)*	(mm)
	RCP6(S)-TA7C-WA-56P-24-①-②-③-④	24	High-output Enabled	10	2	112	
	RCP6(S)-1A/C-WA-36P-24- <u>U</u>	24	High-output Disabled	10	3	112	
	RCP6(S)-TA7C-WA-56P-16-①-②-③-④	16	High-output Enabled	12	7	168	
	RCP6(S)-1A/C-WA-36P-16-U	10	High-output Disabled	12	5	100	25~300
	RCP6(S)-TA7C-WA-56P-8-①-②-③-④	8	High-output Enabled	15	16	336	23~300
	RCP6(S)-1A/C-WA-36P-8-U	0	High-output Disabled	13	12	330	
	RCP6(S)-TA7C-WA-56P-4-①-②-③-④	4	High-output Enabled	15	20	673	
RCP6(S)-TA70	RCP6(3)-TA7C-WA-36P-4-W	4	High-output Disabled	13	20	0/3	
	Legend: ① Stroke ② Applicable controller/I/O type ③ Cable length ④ Options						

a.	a. Stroke and wax. Speed (Unit: mm/s)							
		Lead (mm)	Connected Controller	25~300 (mm)				
24		24	High-output Enabled	1,080 <860>				
		24	High-output Disabled	860 <420>				
		16	High-output Enabled	700 < 560 >				
			High-output Disabled	560 <280>				
		8	High-output Enabled	420 <350>				
			High-output Disabled	280 <210>				
		4	High-output Enabled	210				
		4	High-output Disabled	140 <105>				
			14.1					

Values in brackets <	> are for vertica	l use

① Stroke	① Stroke					
Stroke (mm)	RCP6	RCP6S				
25	0	0				
50	0	0				
75	0	0				
100	0	0				
125	0	0				
150	0	0				
175	0	0				
200	0	0				
250	0	0				
300	0	0				

Options		
Name	Option Code	Reference Page
Brake	В	See P.189
Cable exit direction (Top)	CJT	See P.189
Cable exit direction (Right)	CJR	See P.189
Cable exit direction (Left)	CJL	See P.189
Cable exit direction (Bottom)	CJB	See P.189
Non-motor end specification	NM	See P.194

Non-motor end specification # When selecting multiple options, please list them in alphabetical order. (e.g.

# ③ Cable Length

Cable Type	Cable Code	RC	RCP6S	
,,		P3	P5	SE
	<b>P</b> (1m)	0	0	0
Standard	<b>S</b> (3m)	0	0	0
	M (5m)	0	0	0
Specified	X06 (6m) ~X10 (10m)	0	0	0
	X11 (11m) ~X15 (15m)	0	0	0
Length	X16 (16m) ~X20 (20m)	0	0	0
	R01 (1m) ~R03 (3m)	0	0	0
	R04 (4m) ~R05 (5m)	0	0	0
Robot Cable	R06 (6m) ~R10 (10m)	0	0	0
	R11 (11m) ~R15 (15m)	0	0	0
	R16 (16m) ~R20 (20m)	0	0	0

<sup>\*</sup> Please refer to P.267 and 283 for more information regarding the maintenance cables.

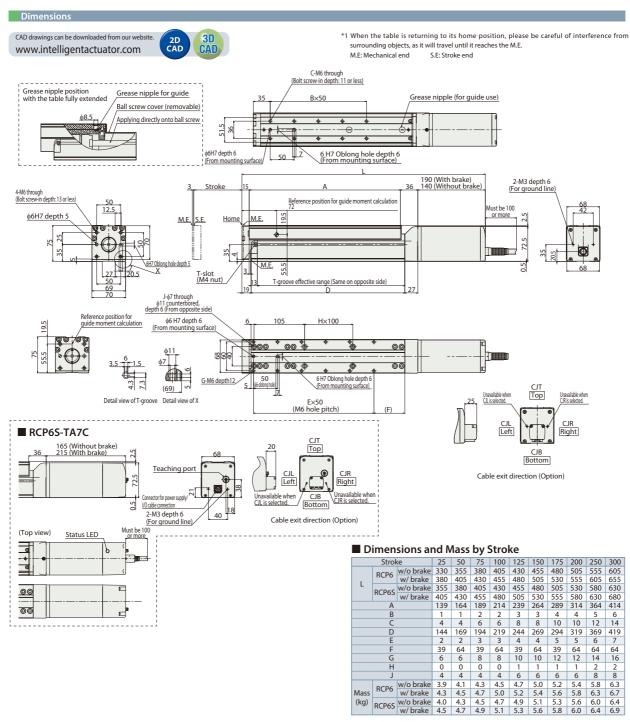
### Actuator Specifications

Item	Description
Drive system	Ball screw \( \psi 12mm, \text{ rolled C10} \)
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Static allowable moment	Ma: 115N+m, Mb: 115N+m, Mc: 229N+m
Dynamic allowable moment (*)	Ma: 44.7N•m, Mb: 44.7N•m, Mc: 89.1N•m
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

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

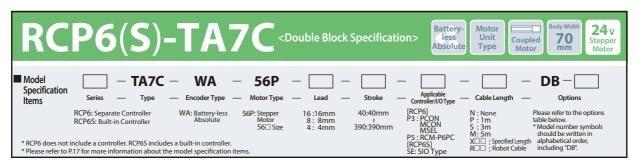
Please refer to our website for more information regarding the directions of the allowable moment and overhang load length.

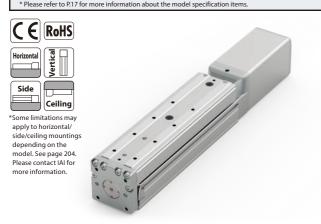
Please refer to RCP6 instruction manual regarding the displacement of the table.



e RCP6 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use. * Please refer to P.271 for more information about the built-in controller of RCP6S series.										
Name		Max. number of	Input power			Control me	ethod	Maximum number	Reference page	
		controlled axes	iliput powei	Positioner	Pulse train	Program	Network * Option	of positioning points	helelelice page	
PCON-CYB/PLB/POB		1		● * Option	* Option	-	Network cannot be selected	64	Please contact IAI for more information.	
CON-CB/CGB		1	DC24V	* Option	* Option	-	DeviceNet MECHATROLINK  CC-Link EtherCAT.	512 (768 for network spec.)	Please see P.255	
1CON-C/CG	1111	8	DC24V		This model is		Ether Net/IP	256	Please contact IAI for more information	
ICON-LC/LCG	H a	6		-	-	•	Note:	Note:	256	Please contact IAI for more information
ISEL-PC/PG		4	Single-phase 100 ~ 230 VAC	-	-	•	The type of compatible networks will vary depending on the controller. Please refer to reference page for more information.	30,000	Please contact IAI for more information	
CM-P6PC		1		Usable	within the R	RCP6S Gate	way system.	768	Please see P.279	

Mass RCP6S

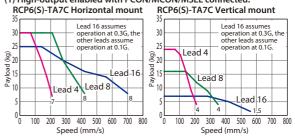




- (1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.
- (2) The actuator specifications displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (Tables of Payload by Speed/Acceleration) on P.228 for more details.
- (3) Please refer to P205 for performing push-motion operation.
- (4) Depending on the ambient operating temperature, duty control is necessary for the RCP6S (built-in controller type) with lead 4/8/16. Please refer to P.247 for more information.

## ■ Correlation Diagrams of Speed and Payload

(1) High-output enabled with PCON/MCON/MSEL connected.



(2) High-output disabled with PCON/MCON connected RCP6(S)-TA7C Horizontal mount RCP6(S)-TA7C Vertical mount Lead 4 This graph assumes operation at 0.3G. This graph assumes operation at 0.3G. 30 Lead 8 25 25 Payload (kg) yload (kg) 15 Lead 16 ead 8 Lead 16 3.5 100 00 300 400 5 Speed (mm/s) 500 600 700 200 300 400 5 Speed (mm/s) 500 600

### Actuator Specifications ■ Stroke and Max Speed ■ Lead and Payload \* Push force only available during push mode w / limited speed. Connected Max. Payload Max. Push Stroke Controller ontal (kg) Vertical (kg) Force (N)\* High-output Enabled RCP6(S)-TA7C-WA-56P-16-1-2-3-DB-4 16 168 High-output Disabled 22 5 High-output Enabled RCP6(S)-TA7C-WA-56P-8-1-2-3-DB-4 336 40~390 High-output Disabled 12 High-output Fnabled 24 RCP6(S)-TA7C-WA-56P-4-1-2-3-DB-4 673 High-output Disabled 20

. = Stroke and wax speed (Onit: Init								
	Lead (mm)	Connected Controller	40~290 (mm)	340 (mm)	390 (mm)			
	16	High-output Enabled	700<560>		600<560>			
	16	High-output Disabled		560<280>				
	8	High-output Enabled	420<350>	365<350>	300			
	0	High-output Disabled		280<210>				
	4	High-output Enabled	210	180	150			
	_ 4	High-output Disabled		105				

Legend: 1 Stroke 2 Applicable controllers/I/O type 3 Cable length 4 Options

Values in brackets < > are for vertical use.

⊕ 5 ti 5 ii 5		
Stroke (mm)	RCP6	RCP6S
40	0	0
65	0	0
90	0	0
140	0	0
190	0	0
240	0	0
200		0

390	0		0
4 Options			
Name	Option	Code	Reference Page
Brake	В	;	See P.189
Cable exit direction (Top)	CJ	Т	See P.189
Cable exit direction (Right)	CJ	R	See P.189
Cable exit direction (Left)	CJ	L	See P.189
Cable exit direction (Bottom)	CI	В	See P.189

NM

See P.194

# ③ Cable Length

, and a second s						
Cable Type	Cable Code	RC	RCP6S			
, , , , , , , , , , , , , , , , , , ,		P3	P5	SE		
	<b>P</b> (1m)	0	0	0		
Standard	<b>S</b> (3m)	0	0	0		
	M(5m)	0	0	0		
Specified	X06 (6m) ~X10 (10m)	0	0	0		
	X11 (11m) ~X15 (15m)	0	0	0		
length	X16 (16m) ~X20 (20m)	0	0	0		
	R01 (1m) ~R03 (3m)	0	0	0		
	R04 (4m) ~R05 (5m)	0	0	0		
Robot cable	R06 (6m) ~R10 (10m)	0	0	0		
	R11 (11m) ~R15 (15m)	0	0	0		
	R16 (16m) ~R20 (20m)	0	0	0		

<sup>\*</sup> Please refer to P. 267 and 283 for more information regarding the maintenance cables.

### Actuator Specifications

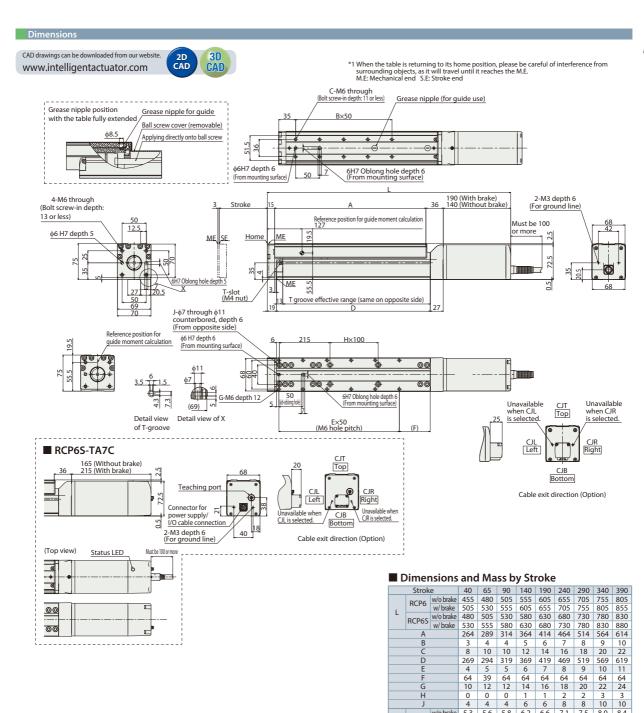
Item	Description
Drive system	Ball screw \( \psi 12mm, \text{ rolled C10} \)
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Static allowable moment	Ma: 620N·m, Mb: 620N·m, Mc: 458N·m
Dynamic allowable moment (*)	Ma: 196N·m, Mb: 196N·m, 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.

340

Non-motor end specification

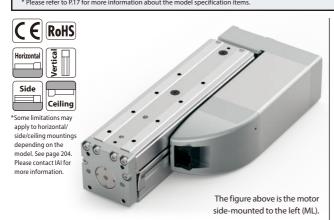


e RCP6 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use. *Please refer to P.271 for more information about the built-in controller of RCP6S series											
Name		Max. number of	Input power			Control me		Maximum number	Reference page		
	view	controlled axes		Positioner	Pulse train	Program	Network * Option	of positioning points	nererence page		
CON-CYB/PLB/POB	•	1		•	•		Network cannot be selected	64	Please contact IAI		
CON-CID/FLD/FOD		'		* Option	* Option   * Option   -   N		Network carriot be selected	04	for more information		
OCON CRICCR	- Fi	1		•	•		DeviceNet WMECHATROUNK	512	Please see P.255		
PCON-CB/CGB		'	DC24V	* Option	* Option	_	CC-Link EtherCAT.	(768 for network spec.)	r icase see r.233		
MCON C/CC	West	0	DC24V	1	This model is	S	EtherNet/IP	256	Please contact IAI		
MCON-C/CG	****	8		networ	k-compatib	le only.	eus Paosu	256	for more information		
MCON-LC/LCG	W 0	_					CompoiNet	Compower	CompoiNet SSCNETIII/H	256	Please contact IAI
VICOIN-LC/LCG		6		_	_		Note: space sestem compounds network	256	for more information		
MSEL-PC/PG	1	4	Single-phase				The type of compatible networks will vary depending on the controller. Please refer	20,000	Please contact IAI		
VISEL-PC/PG		4	100 ~ 230 VAC	_	_		to reference page for more information.	30,000	for more information		
RCM-P6PC	N I	1		Healdo	المطفونين	CDCC Cata	way system.	768	Please see P.279		

0 0 0 1 1 1 2 2 3 3 4 4 4 4 6 6 8 8 8 10 10 5.3 5.6 5.8 6.2 6.6 7.1 7.5 8.0 8.4 8.8 5.5 5.7 5.9 6.4 6.8 7.3 7.7 8.1 8.6 5.9 6.2 6.4 6.8 7.3 7.7 8.1 8.6

RCP6 w/o brake w/ brake (kg) RCP6S w/o brake

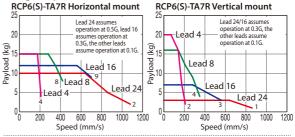
 ${\sf CP6(S)\text{-}TA7R}$  < Single Block Specifications > Battery-less 24<sub>v</sub> **70** mm Unit Stepper Absolute Type Motor Model Specification WA - 56P Applicable Controller / I/O Type Encoder Type — Motor Type Type ltems Options [RCP6]
P3 : PCON
MCON
MSEL
P5 : RCM-P6PC
[RCP6S]
SE: SIO Type RCP6: Separate Controller RCP6S: Built-in Controller WA: Battery-less 56P: Stepper 25: 25mm Please refer to the 24: 24mm options table below 16: 16mm \*Please make sure to specify either ML or MR when ordering the side-56□ Size 300: 300mm S : 3m M: 5m 8: 8mm 4: 4mm \* RCP6 does not include a controller. RCP6S includes a built-in controller.
\* Please refer to P.17 for more information about the model specification item: X□□ : Specified Length R□□ : Robot Cable

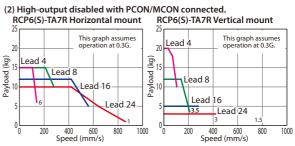


- (1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (Tables of Payload by Speed/Acceleration) on P.229 for more details.
- (3) Please refer to P205 for performing push-motion operation.
- (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.247 for more information

## ■ Correlation Diagrams of Speed and Payload

(1) High-output enabled with PCON/MCON/MSEL connected.





## Actuator Specifications

■ Lead and Payload	ailable duri	ng push m	ode w / li	mited speed		
Model Number	Lead (mm)	Connected Controller	Max. P Horizontal (kg)	ayload Vertical (kg)	Max. Push Force (N)*	Stroke (mm)
RCP6(S)-TA7R-WA-56P-24-①-②-③-④	24	High-output Enabled	10	3	112	(,,,,,
RCP6(S)-IA/R-WA-56P-24-U	24	High-output Disabled	10	3	112	
RCP6(S)-TA7R-WA-56P-16-10-12-13-14		High-output Enabled	12	7	168	
RCP0(3)-IA7R-WA-30P-10-U-I-U-I-U-I-U-I-U-I-U-I-U-I-U-I-U-I-U-	16	High-output Disabled	12	5	100	25~300
RCP6(S)-TA7R-WA-56P-8-10-12-13-14	8	High-output Enabled	15	16	336	
RCP6(S)-TA7R-WA-S6P-8-W-W-W-W-W		High-output Disabled	13	12	330	
RCP6(S)-TA7R-WA-56P-4-①-②-③-④		High-output Enabled	15	20	673	
ncro(3)-1A/n-WA-30r-4-W-W-W-W-W	4	High-output Disabled	'3	20	0/3	
	- T					

ed.	■ Stroke and Max. Speed (Unit: mm/										
		Lead (mm)	Connected Controller	25~300 (mm)							
		24	High-output Enabled	1,080 <860>							
	24		High-output Disabled	860 <420>							
	16	16	High-output Enabled	700 <560>							
	16		High-output Disabled	560 <280>							
		0	High-output Enabled	420 <350>							
	8		High-output Disabled	280 <210>							
	4		High-output Enabled	210							
		-4	High-output Disabled	140 <105>							

Legend: 1 Stroke	(2) Applicable controller/I/O type	③ Ca	ble length	(4) Opt	ion

Values in brackets < > are for vertical use.

① Stroke		
Stroke (mm)	RCP6	RCP6S
25	0	0
50	0	0
75	0	0
100	0	0
125	0	0
150	0	0
175	0	0
200	0	0
250	0	0
300	0	0

(4) Options		
<u> </u>		
Name	Option Code	Reference Page
Brake	В	See P.189
Cable exit direction (Outside)	CJ0	See P.189
Motor side-mounted to the left	ML	See P.193
Motor side-mounted to the right	MR	See P.193
Non-motor end specification	NM	See P 194

<sup>#</sup> When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM)

# ③ Cable Length

Cable Type	Cable Code	RC	RCP6S	
, ,		P3	P5	SE
	P (1m)	0	0	0
Standard	<b>S</b> (3m)	0	0	0
	M (5m)	0	0	0
Specified	X06 (6m) ~X10 (10m)	0	0	0
	X11 (11m) ~X15 (15m)	0	0	0
Length	X16 (16m) ~X20 (20m)	0	0	0
	R01 (1m) ~R03 (3m)	0	0	0
	R04 (4m) ~R05 (5m)	0	0	0
Robot Cable	R06 (6m) ~R10 (10m)	0	0	0
	R11 (11m) ~R15 (15m)	0	0	0
	R16 (16m) ~R20 (20m)	0	0	0

<sup>\*</sup> Please refer to P. 267 and 283 for more information regarding the maintenance cables.

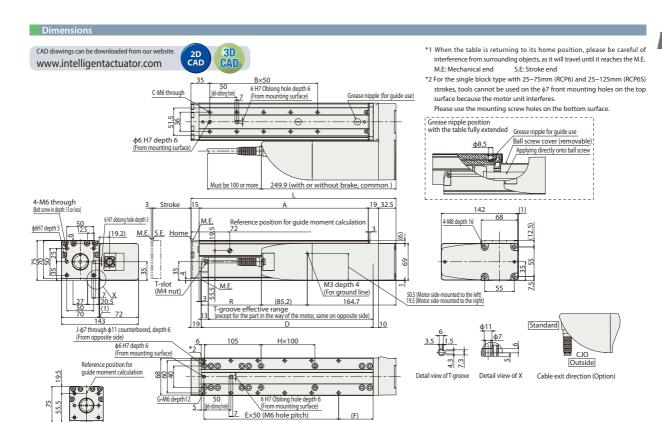
### Actuator Specifications

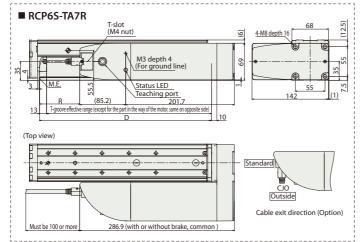
Item	Description
Drive system	Ball screw ф12mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Static allowable moment	Ma: 115N•m, Mb: 115N•m, Mc: 229N•m
Dynamic allowable moment (*)	Ma: 44.7N•m, Mb: 44.7N•m, Mc: 89.1N•m
Ambient operating temp & humidity	0~40°C 85% RH or less (Non-condensing)

<sup>(\*)</sup> 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 and Mass by Stroke

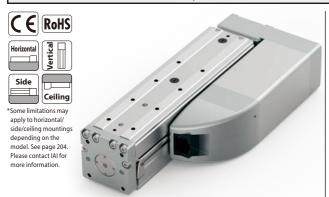
		1131011	3 an	u ivi	uss i	oy J	CION					
	Stro	ke	25	50	75	100	125	150	175	200	250	300
L		205.5	230.5	255.5	280.5	305.5	330.5	355.5	380.5	430.5	480.5	
	A		139	164	189	214	239	264	289	314	364	414
	В		1	1	2	2	3	3	4	4	5	6
	C		4	4	6	6	8	8	10	10	12	14
	D		144	169	194	219	244	269	294	319	369	419
Е			2	2	3	3	4	4	5	5	6	7
F		39	64	39	64	39	64	39	64	64	64	
	G		6	6	8	8	10	10	12	12	14	16
	Н		0	0	0	0	1	1	1	1	2	2
	J		4	4	4	4	6	6	6	6	8	8
R *	R	CP6	-63.4	-38.4	-13.4	11.6	36.6	61.6	86.6	111.6	161.6	211.6
n	RC	P6S	-100.4	-75.4	-50.4	-25.4	-0.4	24.6	49.6	74.6	124.6	174.6
	RCP6	w/o brake	4.4	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.4	6.8
Mass	NCFO	w/brake	4.5	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.5	6.9
(kg)	RCP6S	w/o brake	4.5	4.8	5.0	5.2	5.4	5.6	5.8	6.1	6.5	6.9
	nCP03	w/brake	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.2	6.6	7.0

<sup>\*</sup> If the length for R is negative in the table below, the length of the actuator body is shorter than the motor unit.

	External	Max. number of				Control me		Maximum number	
		controlled axes		Positioner	Pulse train	Program	Network * Option	of positioning points	Reference page
PCON-CYB/PLB/POB		1		● * Option	Option	-	Network cannot be selected	64	Please contact IAI for more information.
PCON-CB/CGB		1	DC24V	● * Option	* Option	-		512 (768 for network spec.)	Please see P.255
MCON-C/CG	1111	8	DC24V		This model is k-compatib		Ether Net/IP	256	Please contact IAI for more information
MCON-LC/LCG	111	6		-	-	•	Note:	256	Please contact IAI for more information
MSEL-PC/PG		4	Single-phase 100 ~ 230 VAC	-	-	•	<ul> <li>The type of compatible networks will vary depending on the controller. Please refer to reference page for more information.</li> </ul>	30,000	Please contact IAI for more information.
RCM-P6PC	ıì	1		Usable	within the R	CP6S Gate	768	Please see P.279	

RCP6(S)-TA7R < Double Block Specification > Battery less Motor 24<sub>v</sub> 70 mm Stepper Motor Absolute Type Model **TA7R** -WA **56P** DB-Specification Applicable Controller/I/O Type Encoder Type — Cable Length Options Items Type RCP6]
P3 : PCON
MCON
MSEL
P5 : RCM-P6PC
[RCP6S]
SE: SIO Type 56P: Stepper Motor 56□ Size 16:16mm 8:8mm 4:4mm N : None P : 1m S : 3m M: 5m 40:40mm Please refer to the options RCP6: Separate Controller WA: Battery-less Absolute Please reter to the control table below.

\* Model number symbols should be written in alphabetical order, including "DB". RCP65: Built-in Controller 390:390mm X□□ : Specified Length R□□ : Robot Cable \* RCP6 does not include a controller. RCP6S includes a built-in controller. \* Please refer to P.17 for more information about the model specification ite



The figure above is the motor side-mounted to left (ML).

(1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G (2) The actuator specifications displays the payload's maximum value, but

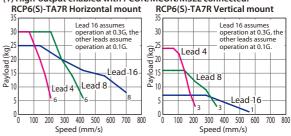
it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (Tables of Payload by Speed/Acceleration) on

(3) Please refer to P205 for performing push-motion operation.

(4) Depending on the ambient operating temperature, duty control is necessary for the RCP6S (built-in controller type) with lead 4/8/16. Please refer to P.247 for more information.

## ■ Correlation Diagrams of Speed and Payload

(1) High-output enabled with PCON/MCON/MSEL connected.



(2) High-output disabled with PCON/MCON connected RCP6(S)-TA7R Horizontal mount RCP6(S)-TA7R Vertical mount Lead 4 This graph assumes operation at 0.3G. This graph assumes operation at 0.3G. Lead 8 (kg (kg Lead 4 20 Lead 16 .ead 8 Lead 16 3.5 100 300 500 600 700 200 300 400 5 Speed (mm/s) 500 600 400 Speed (mm/s)

### Actuator Specifications ■ Lead and Payload ■ Stroke and Max Speed \* Push force only available during push mode w / limited speed. (Unit: mm/s) Connected Max Payload Max. Push Stroke Connected 40~290 340 390 Model Number zontal (kg) Vertical (kg) Force (N)\* Controller (mm) Controller (mm) (mm) (mm) 700<560> 600<560> High-output Enabled 25 7 High-output Enabled RCP6(S)-TA7R-WA-56P-16-①-②-③-DB-④ 16 168 16 High-output Disabled 5 High-output Disabled 22 560<280> High-output Enabled 16 High-output Enabled 420<350> 365<350> 300 RCP6(S)-TA7R-WA-56P-8-1-2-3-DB-4 30 336 40~390 12 280<210> High-output Disabled High-output Disabled High-output Enabled High-output Enabled 180 150 24 210 RCP6(S)-TA7R-WA-56P-4-①-②-③-DB-④ 30 673 High-output Disabled 20 High-output Disabled 105 Legend: 1 Stroke 2 Applicable controllers/I/O type 3 Cable length 4 Options Values in brackets < > are for vertical use

# ① Stroke

Stroke (mm)	RCP6	RCP6S
40	0	0
65	0	0
90	0	0
140	0	0
190	0	0
240	0	0
290	0	0
340	0	0
390	0	0

Name	Option Code	Reference Page
Brake	В	See P.189
Cable exit direction (Outside)	CJO	See P.189
Motor side-mounted to the left	ML	See P.193
Motor side-mounted to the right	MR	See P.193
Non-motor end specification	NM	See P.194

# 3 Cable Length

Cable Type	Cable Code	RC	RCP6S	
, , , , , , , , , , , , , , , , , , ,		P3	P5	SE
	<b>P</b> (1m)	0	0	0
Standard	<b>S</b> (3m)	0	0	0
[	<b>M</b> (5m)	0	0	0
Specified	X06 (6m) ~X10 (10m)	0	0	0
	X11 (11m) ~X15 (15m)	0	0	0
length	X16 (16m) ~X20 (20m)	0	0	0
Robot cable	R01 (1m) ~R03 (3m)	0	0	0
	R04 (4m) ~R05 (5m)	0	0	0
	R06 (6m) ~R10 (10m)	0	0	0
	R11 (11m) ~R15 (15m)	0	0	0
	R16 (16m) ~R20 (20m)	0	0	0

\* Please refer to P. 267 and 283 for more information regarding the maintenance cables.

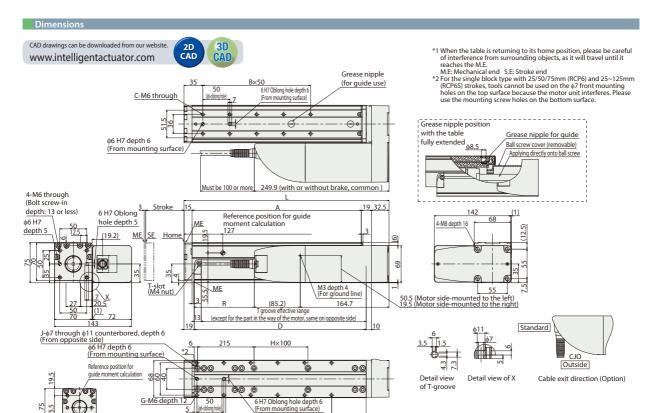
# Actuator Specifications

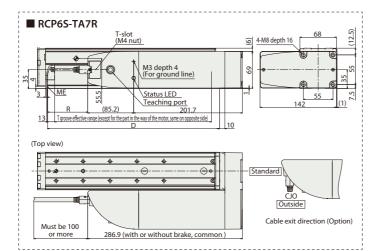
Item	Description
Drive system	Ball screw \$12mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Static allowable moment	Ma: 620N·m, Mb: 620N·m, Mc: 458N·m
Dynamic allowable moment (*)	Ma: 196N·m, Mb: 196N·m, Mc: 145N·m
Ambient 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.





7 E×50 (M6 hole pitch)

## ■ Dimensions and Mass by Stroke

_		2113101	u.			~, -					
	Stro	ke	40	65	90	140	190	240	290	340	390
L		330.5	355.5	380.5	430.5	480.5	530.5	580.5	630.5	680.5	
	A		264	289	314	364	414	464	514	564	614
	В		3	4	4	5	6	7	8	9	10
С		8	10	10	12	14	16	18	20	22	
D			269	294	319	369	419	469	519	569	619
E		4	5	5	6	7	8	9	10	11	
F		64	39	64	64	64	64	64	64	64	
G		10	12	12	14	16	18	20	22	24	
Н		0	0	0	1	1	2	2	3	3	
	J		4	4	4	6	6	8	8	10	10
R	RCP6		61.6	86.6	111.6	161.6	211.6	261.6	311.6	361.6	411.6
n	RCP6S		24.6	49.6	74.6	124.6	174.6	224.6	274.6	324.6	374.6
	RCP6	w/o brake	6.0	6.2	6.4	6.9	7.3	7.7	8.2	8.6	9.1
Mass	KCPO	w/brake	6.1	6.3	6.5	7.0	7.4	7.8	8.3	8.7	9.2
(kg)	RCP6S	w/o brake	6.1	6.3	6.5	7.0	7.4	7.8	8.3	8.7	9.2
	ncr03	w/ brake	6.2	6.4	6.6	7.1	7.5	8.0	8.4	8.8	9.3

	oc operate	a by the cont	i oliera il idicated b	elow. I lease sei			r intended use. * Please refer to P.271 fo	of more information about th	e built-in controller of ACF03 sen		
Name	External Max. number of			Control method			ethod	Maximum number	Reference page		
		controlled axes		Positioner	Pulse train	Program	Network * Option	of positioning points	helefelice page		
PCON-CYB/PLB/POB	0.8	1		•	•		Network cannot be selected	64	Please contact IAI		
CON-CTD/PLD/POB	В	'		* Option	* Option	_	Network cannot be selected	64	for more information.		
CON-CB/CGB	- Fi	1		•	•	Device Net WMEC		512	Please see P.255		
CON-CB/CGB		' '	DC24V	* Option	* Option	_		(768 for network spec.)	riease see P.255		
ACON-C/CG		8	DC24V	This model is Ether et/IP			EtherNet/IP	256	Please contact IAI		
/ICOIN-C/CG	1111	٥		network-compatible only.		250	for more information.				
ACON-LC/LCG	W 0	6					CompoiNet SSCNETIII/H	256	Please contact IAI		
/ICOIN-LC/LCG		0		_	_		Note:  • The type of compatible networks will vary		for more information		
MSEL-PC/PG		1	4	4	Single-phase				depending on the controller. Please refer	20,000	Please contact IAI
		4	100 ~ 230 VAC	_	_	•	to reference page for more information.	30,000	for more information.		
CM-P6PC	all l	1		Usable within the RCP6S Gateway system.				768	Please see P.279		