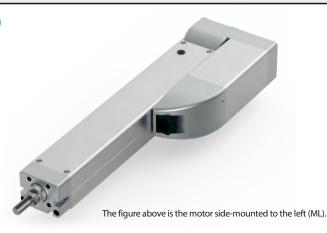
Body Width (S)-RRA7RBattery-Motor **24**_v 70 mm Side-mo Steppe Absolute Type Motor Body width doe ■ Model not include the width of the side RRA7R -WA **56P** Specification Applicable ntroller/I/O Type Туре Encoder Type — Stroke Cable Length Options Items N : None P : 1m Please refer to the options table below. RCP6: Separate Controller WA: Battery-less 56P: Stepper 24: 24mm 70: 70mm [RCP6] RCP6S: Built-in Controller Absolute 16: 16mm P3: PCON MCON MSEL S : 3m M: 5m 56□ Size 8: 8mm 520: 520mm *Please make sure to specify either ML or MR (50mm increments) 4: 4mm * RCP6 does not include a controller, RCP6S includes a built-in controller. [RCP6S] SE: SIO Typ X□□ : Specified Length when ordering the side-R□□ : Robot Cable mounted motor type. * Please refer to P.11 for more information about the model specification items.

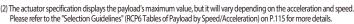
Radial Load OK



*Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions. Please contact IAI for more information regarding mounting positions.



 $\hbox{(1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.}$



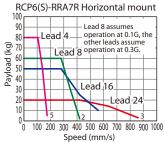
(3) The radial cylinder is equipped with a built-in guide. Please refer to the graphs shown in P.127 and after for the allowable load mass.

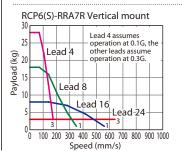
(4) When performing push-motion operation, please confirm the push force of each model by checking the "Correlation diagram of push force and current limit" on P.113.

(5) 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.

■ Correlation Diagrams of Speed and Payload

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





Actuator Specifications

■ Lead and Payload (Note 1) The payload assumes that there is an external guide Max. Payload Lead Connected Stroke **Model Number** Controller lorizontal (kg) Vertical (kg (mm) High-output RCP6(S)-RRA7R-WA-56P-24-①-②-③-④ 20 3 Enabled High-output RCP6(S)-RRA7R-WA-56P-16-10-12-13-14 50 8 70~520 Enabled The increment of stroke is 50mm) High-output RCP6(S)-RRA7R-WA-56P-8-①-②-③-④ 60 18 Fnabled High-output RCP6(S)-RRA7R-WA-56P-4-①-②-③-④ 28 Enabled

Legend: ① Stroke ② Applicable controller/I/O type ③ O	Cable length 📵 Options

e.	■ Str	(Unit: mm/s)						
	Lead (mm)							
	24	High-output Enabled	860 <640>					
nt	16	High-output Enabled	560					
	8	High-output Enabled	420 <350>					
	4	High-output Enabled	175					

 $\label{eq:Values} \mbox{Values in brackets} < \mbox{$>$$ are for vertical use.}$

U Stroke					
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
70	0	0	320	0	0
120	0	0	370	0	0
170	0	0	420	0	0
220	0	0	470	0	0
270	0	0	520	0	0

Options		
Name	Option Code	Reference Page
Brake	В	See P.105
Cable exit direction (Outside)	CJ0	See P.105
Flange	FL	See P.106
Tip adapter (Flange)	FFA	See P.105
Tip adapter (Internal thread)	NFA	See P.109
Tip adapter (Keyway)	KFA	See P.108
Motor side-mounted to the left	ML	See P.109
Motor side-mounted to the right	MR	See P.109
Knuckle joint*	NJ	See P.110
Non-motor end specification	NM	See P.110
Clevis bracket*	QR	See P.111

* The clevis (QR) and knuckle joint (NJ) are sold as a set. The assembly is to be performed by the customer.

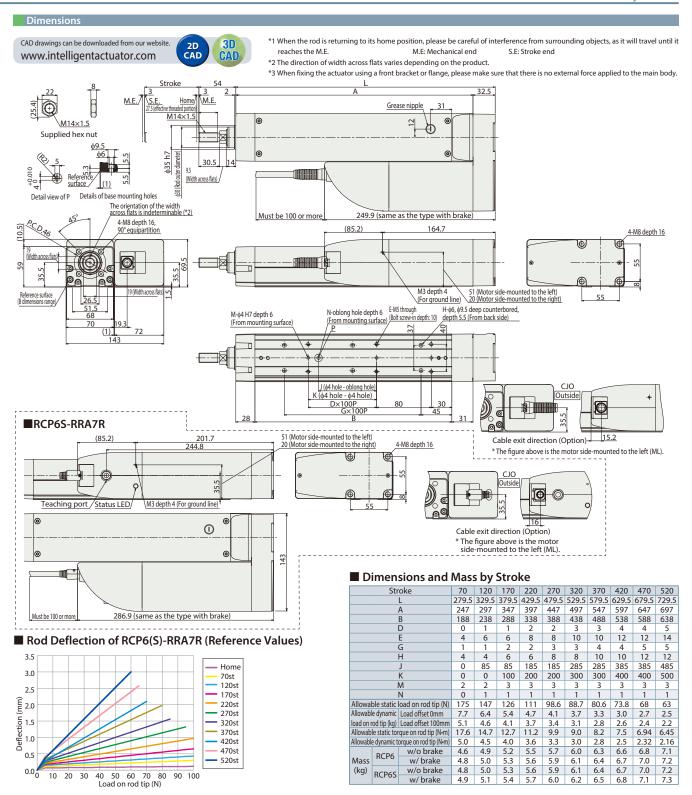
When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM)

③ Cable Len	gth		
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	0
	R16 (16m) ~R20 (20m)	0	0

 * Please refer to P.144 for more information regarding the maintenance cables.

Actuator Specifications	
ltem	Description
Drive system	Ball screw \phi12mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Rod	φ30mm Aluminum
Rod non-rotation precision*	0 deg.
Allowable load and torque on rod tip	See P. 127
Rod tip overhang distance	150mm
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

* Rod's angular displacement in rotational direction with no load applied to the rod.



		Max. number of		i i icase serece ti	ease select the type depending on your intended use. * Please refer to P.147 for more information about the built- Control method Maximum number					
	view	controlled axes		Positioner	Pulse train				of positioning points	Reference page
PCON-CB/CGB	Í	1	DC24V	• *Option	• *Option	-	Device Vet		512 (768 for network spec.)	Please see P.131
MCON-C/CG	mi	4	DCZ4V	This model is network-compatible only.		CompoNet Note: The type of compatible networks		256	Please see the MCOI 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.