WA

WA: Battery-less

Absolute

Batteryless Absolute Motor Type

Side-mo Motor Body Width 40

Options

24_v Steppe

Body width doe not include the

(Unit: mm/s)

■ Model Specification Items

RCP6: Separate Controller

RCP6S: Built-in Controller

RRA4R -Туре

35P Encoder Type —

35P: Stepper

35□ Size

16: 16mm

5mm 2.5:2.5mm

10: 10mm 5: 5mm

Stroke 60: 60mm 410: 410mm (50mm increments) Applicable Controller/I/O Type [RCP6] P3: PCON MCON MSEL [RCP6S] SE: SIO Type

N : None P : 1m

Cable Length

Please refer to the options table below. S : 3m *Please make sure to specify either ML or MR N□ : Specified Length when ordering the sidemounted motor type.

* RCP6 does not include a controller. RCP6S includes a built-in controller

Radial Load OK



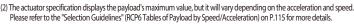




*Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions Please contact IAI for more information regarding mounting positions.



The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.

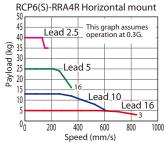


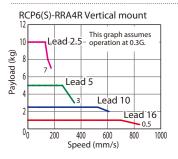
(3) The radial cylinder is equipped with a built-in guide. Please refer to the graphs shown in P.127 and after for the allowable load mass.

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.

Correlation Diagrams of Speed and Payload

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





Actuator Specifications

■ Lead and Payload (Note	e 1) The ¡	oayload assume	es that the	re is an ex	ternal guide.	■ Str	oke and Ma	x. Speed
Model Number	Lead (mm)	Connected Controller	Max. P Horizontal (kg)	ayload Vertical (kg)	Stroke (mm)	Lead (mm)	Connected Controller	60~360 (Every 50mn
RCP6(S)-RRA4R-WA-35P-16-@-@-@-	16	High-output Enabled	5	1		16	High-output Enabled	
RCP6(S)-RRA4R-WA-35P-10-@-@-@@	10	High-output Enabled	13	2.5	60~410	10	High-output Enabled	
RCP6(S)-RRA4R-WA-35P-5-@-@-@	5	High-output Enabled	28	5	of stroke is 50mm)	5	High-output Enabled	350
RCP6(S)-RRA4R-WA-35P-2.5	2.5	High-output Enabled	40	10		2.5	High-output Enabled	175
Legend: Stroke Applicable controller/I/O type	able len	gth 4 Option	ıs					

	Lead (mm)	Connected Controller	60~360 (Every 50mm)	410 (mm)				
	16	High-output Enabled	84	40				
nt	10	High-output Enabled	610					
	5	High-output Enabled	350	340				
	2.5	High-output Enabled	175	170				

① Stroke				
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RO
60	0	0	260	

Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
60	0	0	260	0	0
110	0	0	310	0	0
160	0	0	360	0	0
210	0	0	410	0	0

Options		
Name	Option Code	Reference Page
Brake	В	See P.105
Cable exit direction (Outside)	CJO	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)

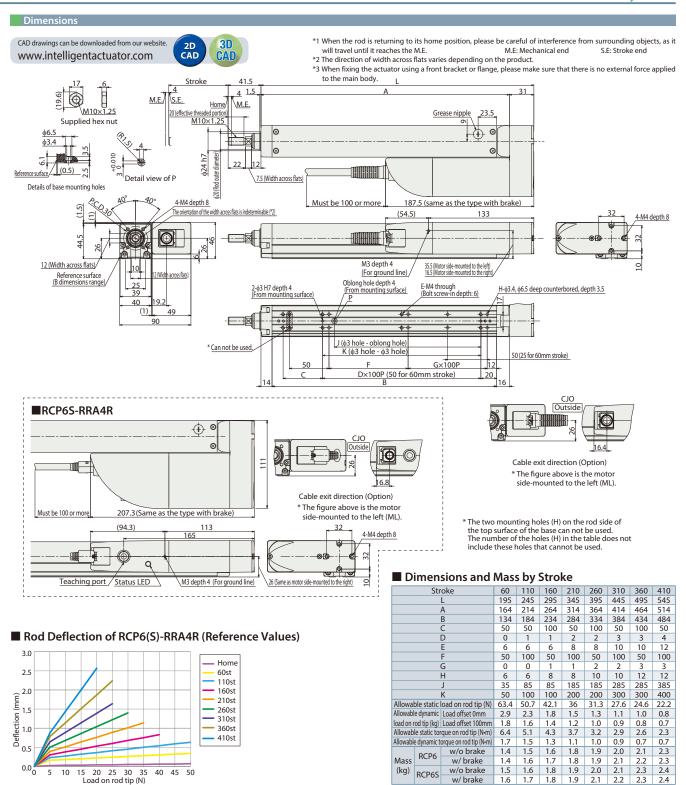
Enabled	173		170
gth			
Cable Code	. R	CP6	RCP6S
P (1m)		0	0
S (3m)		0	0
M (5m)		0	0
X06 (6m) ~X10 (10m)		0	0
X11 (11m) ~X15 (15m)		0	0
X16 (16m) ~X20 (20m)		0	0
R01 (1m) ~R03 (3m)		0	0
R04 (4m) ~R05 (5m)		0	0
R06 (6m) ~R10 (10m)		0	0
	Cable Code P (1m) S (3m) M (5m) X06 (6m) ~X10 (10m) X11 (11m) ~X15 (15m) X16 (16m) ~X20 (20m) R01 (1m) ~R03 (3m) R04 (4m) ~R05 (5m)	Cable Code R P (1m) S (3m) M (5m) X16 (16m) ~ X10 (10m) X11 (11m) ~ X15 (15m) X16 (16m) ~ X20 (20m) R01 (1m) ~ R03 (3m) R04 (4m) ~ R05 (5m)	Cable Code

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

R11 (11m) ~R15 (15m R16 (16m) ~R20 (20m)

Actuator Specifications					
ltem	Description				
Drive system	Ball screw φ8mm, rolled C10				
Positioning repeatability	±0.01mm				
Lost motion	0.1mm or less				
Rod	φ20mm Aluminum				
Rod non-rotation precision*	0 deg.				
Allowable load and torque on rod tip	See P. 127				
Rod tip overhang distance	100mm				
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.



N	series actuators can be operated by the controllers indicated below. Please select the type depending o		J /	trol method		Maximum number				
	view	controlled axes	Input power	Positioner	Pulse train	Program	Network	:*Option	of positioning points	Reference page
PCON-CB/CGB		1	DC24V	● *Option	● *Option	-	CC-Link	Ether CAT.	512 (768 for network spec.)	Please see P.131
MCON-C/CG	1111	4	DC24V		Γhis model i k-compatib	-	CompoiNet	256	Please see the MCO catalog.	
MSEL-PC/PG	6	4	Single-phase 100~230VAC	_	-	•	will vary depend controller.	reference page for	30,000	Please see the MSEI PC/PG catalog.