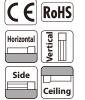
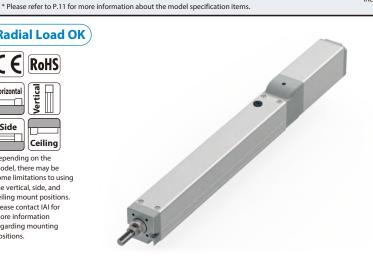
Battery-Body Width Motor **24**_v less Absolute 40 Coupled Motor Steppe Type mm ■ Model RRA4C -WA 35P Specification Applicable Controller/I/O Type Туре Encoder Type — Motor Type Stroke Cable Length Options Items Please refer to the options table below. [RCP6] P3: PCON RCP6: Separate Controller WA: Battery-less 35P: Stepper 16: 16mm 60: 60mm RCP6S: Built-in Controller Absolute 10: 10mm 5: 5mm 410: 410mm (50mm increments) MCON MSEL [RCP6S] SE: SIO Type 35□ Size 2.5: 2.5mm * RCP6 does not include a controller. RCP6S includes a built-in controller.

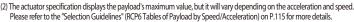
Radial Load OK



*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.



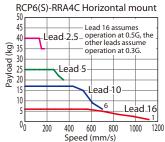
The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.

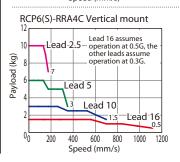


- (3) The radial cylinder is equipped with a built-in guide. Please refer to the graphs shown in P.127 and after for the allowable load mass.
- (4) When performing push-motion operation, please confirm the push force of each model by checking the "Correlation diagram of push force and current limit" on P.113.

■ Correlation Diagrams of Speed and Payload

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





Actuator Specifications ■ Lead and Payload (Note 1) The payload assumes that there is an external guide. Stroke and Max. Speed RCP6(S)-R RCP6(S)-R RCP6(S)-R RCP6(S)-R

ilu rayidau (Note	te 1) The payload assumes that there is an external guide.					3 0	oke allu ivia	(Unit: mm/s)	
Model Number	Lead (mm)	Connected Controller	Max. Pay Horizontal (kg) (Note 1)		Stroke (mm)	Lead (mm)	Connected Controller	60~360 (Every 50mm)	410 (mm)
RRA4C-WA-35P-16-①-②-③-④	16	High-output Enabled	7	1.5		16	High-output Enabled	1,120	1,080
RRA4C-WA-35P-10-①-②-③-④	10	High-output Enabled	18	3	60~410 The increment	10	High-output Enabled	700	685
RRA4C-WA-35P-5-①-②-③-④	5	High-output Enabled	28	6	of stroke is 50mm)	5	High-output Enabled	350	340
RRA4C-WA-35P-2.5-①-②-③-④	2.5	High-output Enabled	40	10		2.5	High-output Enabled	175	170
oke Applicable controller/I/O type 3 Cable length 6 Options									

Legend: Stroke Applicable controller/I/O type Cable length Options

① Stroke					
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

4 Options		
Name	Option Code	Reference Page
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
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
Non-motor end specification	NM	See P.110

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

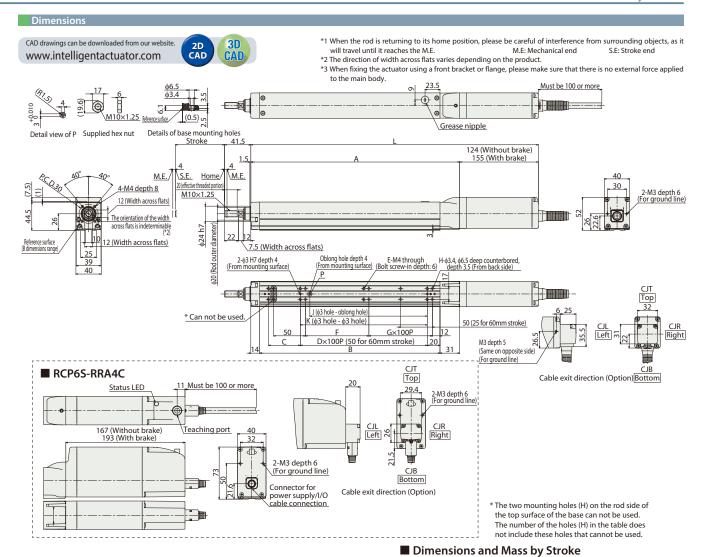
IJ,	vertical (kg)	(111111)		(111111)	Controller	(Every Summ)	(111111)		
	1.5			16	High-output Enabled	1,120	1,080		
	3	60~410		60~410 (The increment		10	High-output Enabled	700	685
	6	of stroke is 50mm)		5	High-output Enabled	350	340		
	10			2.5	High-output Enabled	175	170		
	3	Cablalan	a	+h					

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

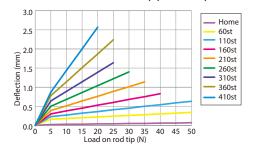
* Please refer to P.144 for more information regarding the maintenance cables.

Actuator Specifications	
ltem	Description
Drive system	Ball screw 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.



■ Rod Deflection of RCP6(S)-RRA4C (Reference Values)



	RCP6	w/o brake	303	353	403	453	503	553	603	653
L	NCFO	w/ brake	334	384	434	484	534	584	634	684
L	RCP6S	w/o brake	346	396	446	496	546	596	646	696
	nCF03	w/ brake	372	422	472	522	572	622	672	722
		A	179	229	279	329	379	429	479	529
		В	134	184	234	284	334	384	434	484
		C	50	50	100	50	100	50	100	50
		D	0	1	1	2	2	3	3	4
		E	6	6	6	8	8	10	10	12
		50	100	50	100	50	100	50	100	
		0	0	1	1	2	2	3	3	
		Н	6	6	8	8	10	10	12	12
		J	35	85	85	185	185	285	285	385
		K	50	100	100	200	200	300	300	400
Allowa	ble static	load on rod tip (N)	63.4	50.7	42.1	36	31.3	27.6	24.6	22.2
Allowab	le dynamic	Load offset 0mm	2.9	2.3	1.8	1.5	1.3	1.1	1.0	0.8
load on	rod tip (kg)	Load offset 100mm	1.8	1.6	1.4	1.2	1.0	0.9	0.8	0.7
Allowab	Allowable static torque on rod tip (N•m)			5.1	4.3	3.7	3.2	2.9	2.6	2.3
Allowabl	le dynamic t	orque on rod tip (N·m)	1.7	1.5	1.3	1.1	1.0	0.9	0.7	0.7
	RCP6	w/o brake	1.2	1.4	1.5	1.6	1.7	1.9	2.0	2.1
Mass	nCP6	w/ brake	1.4	1.5	1.7	1.8	1.9	2.0	2.2	2.3
(kg)	RCP6S	w/o brake	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3
	ncr03	w/ brake	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.5

60 | 110 | 160 | 210 | 260 | 310 | 360 | 410

ne RCP6 series actuators c	an be operated by	the controlle	ers indicated below	. Please select t	he type dependi	ing on your inte	nded use. * Please	refer to P.147 for mo	re information about the buil	t-in controller of RCP6S series
	External view	Max. number of controlled axes	Input nower	Positioner	Pulse train	Control me Program		k *Option	Maximum number of positioning points	Reference page
PCON-CB/CGB	Ĩ	1	DC24V	• *Option	• *Option	-	DeviceNet	Ether Net / IP	512 (768 for network spec.)	Please see P.131
MCON-C/CG	1111	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 deper controller.	ding on the reference page for	30,000	Please see the MSEI PC/PG catalog.