RCP6 ROBO Cylinder®

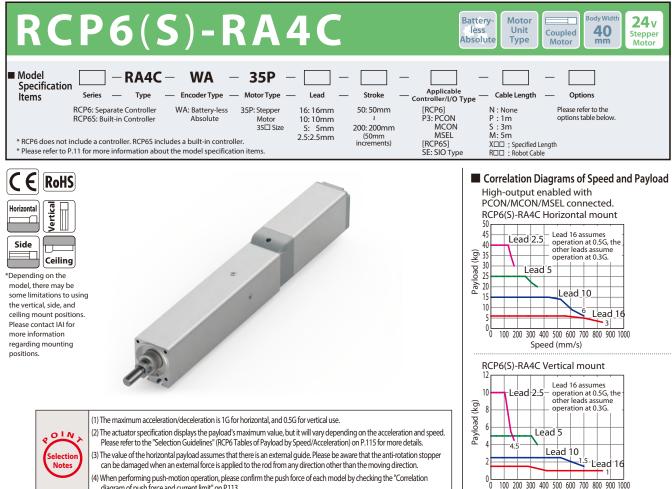


diagram of push force and current limit" on P.113.

Actuator Specifications									
Lead and Payload						Stroke and Max. Speed (Unit			
Model Number	Lead (mm)	Connected Controller		ayload Vertical (kg)	Stroke (mm)	Leac (mm)		50~200 (Every 50mm)	
RCP6(S)-RA4C-WA-35P-16-①-②-③-④	16	High-output Enabled	6	1.5		16	High-output Enabled	840	
RCP6(S)-RA4C-WA-35P-10-①-②-③-④	10	High-output Enabled	15	2.5	50~200 (The increment	10	High-output Enabled	700	
RCP6(S)-RA4C-WA-35P-5-①-②-③-④	5	High-output Enabled	28	5	of stroke is 50mm)	5	High-output Enabled	350	
RCP6(S)-RA4C-WA-35P-2.5-①-②-③-④	2.5	High-output Enabled	40	10		2.5	High-output Enabled	175	

Legend: (1) Stroke (2) Applicable controller/I/O type (3) Cable length (4) Options

① Stroke					
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
50	0	0	150	0	0
100	0	0	200	0	0
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			0	ptions
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Name	Option Code	Reference Page
Brake	B	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
Foot bracket	FT	See P.107
Tip adapter (Internal thread)	NFA	See P.109
Non-motor end specification	NM	See P.110
T-slot nut bar	NTB	See P.110

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
Specified Length	X06 (6m) ~X10 (10m)	0	0
	X11 (11m) ~X15 (15m)	0	0
	X16 (16m) ~X20 (20m)	0	0
Robot Cable	R01 (1m) ~R03 (3m)	0	0
	R04 (4m) ~R05 (5m)	0	0
	R06 (6m) ~R10 (10m)	0	0
	R11 (11m) ~R15 (15m)	0	0
	R16 (16m) ~ R20 (20m)	0	0

100 200 300 400 500 600 700 800 900 1000

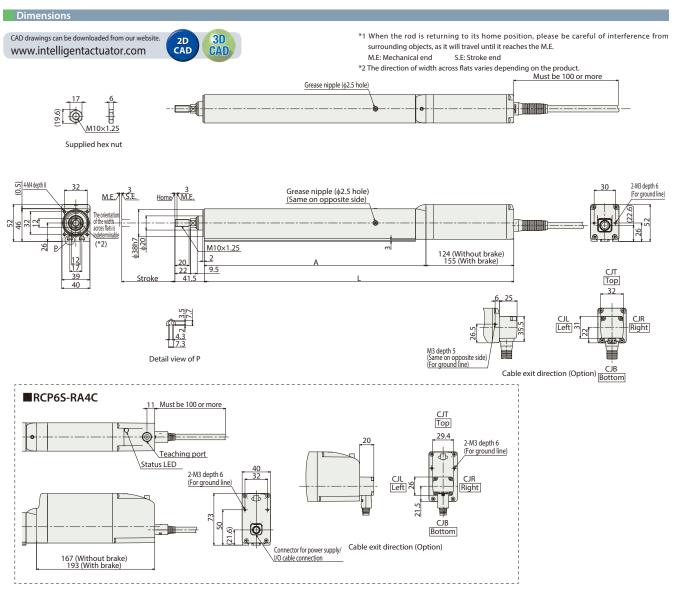
Speed (mm/s)

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

Actuator Specifications

ltem	Description
Drive system	Ball screw ø8mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Rod	φ20mm Material: Aluminum with hard alumite treatment
Static allowable torque on rod tip	1.0N•m
Max. angular displacement on rod tip (*1)	±1.0 deg.
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

(*1) This is the displacement angle of the rod tip (initial reference value) when the rod is fully retracted and the static allowable torgue is applied at the rod tip.



Dimensions and Mass by Stroke

	Strok	e	50	100	150	200
	RCP6	w/o brake	287	337	387	437
L	nCP0	w/ brake	318	368	418	468
L	RCP6S	w/o brake	330	380	430	480
	RCP05	w/brake	// brake 356 406 456 163 213 263	506		
	А		163	213	263	313
	RCP6	w/o brake	1.4	1.6	1.7	1.9
Mass	RCPO	w/ brake	1.5	1.7	1.9	2.1
(kg)	RCP6S	w/o brake	1.6	1.8	1.9	2.1
-	nCP03	w/ brake	1.7	1.9	2.1	2.3

he RCP6 series actuators can	h be operated by	the controlle	rs indicated below	. Please select t	he type depend	ing on your inte	nded use. * Please refer to I	P.147 for mor	e information about the buil	t-in controller of RCP6S series.
	External view	Max. number of controlled axes	Input power	Control method Positioner Pulse train Program Network *Option			otion	Maximum number of positioning points	Reference page	
PCON-CB/CGB		1	DC24V	● *Option	• *Option	-			512 (768 for network spec.)	Please see P.131
MCON-C/CG		4	DC24V		This model i k-compatib	-			256	Please see the MCON catalog.
MSEL-PC/PG		4	Single-phase 100~230VAC	-	-	•			30,000	Please see the MSEL PC/PG catalog.

* Please select "high-output specification" as an option for the MCON. With the MCON, operation is possible only when the high-output specification is selected

