## RCP6 ROBO Cylinder®



(5) For RCP6S (built-in controller type), please limit the duty cycle to 70% or less.

(6) The service life of an actuator varies depending on the payload when using vertically. Please refer to P. 114 for more information.

Actuator Specifications							
Lead and Payload		Str	(Unit: mm/s)				
Model Number			Max. Payload		Lead	50~300	
model Humber	(mm)	Horizontal (kg)	Vertical (kg)	(mm)	(mm)	(Every 50mm)	
RCP6(S)-RA8R-WA-60P-20-①-②-③-④	20	30	5		20	400	
RCP6(S)-RA8R-WA-60P-10-①-②-③-④	10	60	40	50~300 (The increment of stroke is 50mm)	10	200	
RCP6(S)-RA8R-WA-60P-5-0-2-3-@	5	100	70		5	100	
Logond: @Stroke @Applicable controller/I/O type @C	المرامية					·	

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

(1)	S	tr	0	ke	

© Stroke					
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
50	0	0	200	0	0
100	0	0	250	0	0
150	0	0	300	0	0

## ④ Options

Name	Option Code	Reference Page
Brake	В	See P.105
Cable exit direction (Outside)	CJO	See P.105
Flange	FL	See P.106
Foot bracket	FT	See P.107
Motor side-mounted to the left	ML	See P.109
Motor side-mounted to the right	MR	See P.109
Motor side-mounted to the top	MT	See P.109
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)

gth		
Cable Code	RCP6	RCP6S
<b>P</b> (1m)	0	0
<b>S</b> (3m)	0	0
<b>M</b> (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
R11 (11m) ~R15 (15m)	0	0
R16 (16m) ~R20 (20m)	0	0
	Cable Code   P (1m) 5 (3m)   M (5m) M(5m)   X06 (6m) ~X10 (10m) X11 (11m)~X15 (15m)   X11 (11m) ~X15 (15m) X16 (16m) ~X20 (20m)   R01 (1m) ~R03 (3m) R04 (4m) ~R05 (5m)   R06 (6m) ~R10 (10m) R11 (11m) ~R15 (15m)	Cable Code RCP6   P (1m) O   \$ (3m) O   M (5m) O   X06 (6m) ~X10 (10m) O   X11 (11m) ~X15 (15m) O   X16 (16m) ~X20 (20m) O   R01 (1m) ~R03 (3m) O   R04 (4m) ~R05 (5m) O   R06 (6m) ~R10 (10m) O   R11 (11m) ~R15 (15m) O

Speed (mm/s)

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

## Actuator Specifications

ltem	Description
Drive system	Ball screw ø16mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Rod	φ40mm Material: Aluminum with hard alumite treatment
Static allowable torque on rod tip	5N•m
Max. angular displacement on rod tip (*1)	±0.8 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.



L	umer	sions	and	Mas	ss by	Stro	ке		
	Stroke			100	150	200	250	300	
	L		284.5	334.5	384.5	434.5	484.5	534.5	
	А		235.5	285.5	335.5	385.5	435.5	485.5	
R	RC	IP6	-10	40	90	140	484.5 435.5 190 155 12.6 12.8 12.8	240	
n	RC	P6S	-45	5	55	105		205	
	RCP6	w/o brake	9.0	9.9	10.8	11.7	12.6	13.5	
Mass		w/ brake	9.2	10.1	11.0	11.9	12.8	13.7	
(kg)	DCD65	w/o brake	9.2	10.1	11.0	11.9	12.8	13.7	
	NCF 05	w/ brake	9.4	10.3	11.2	12.1	13.0	13.9	

RCP6(S)-RA8R **60** 

he RCP6 series actuators can b	 		pelow. Please	e select the type o		ling on your intended use. * Please refer to P.147 for mo		-in controller of RCP6S series
	Max. number of controlled axes		Positioner	Pulse train Proc		Control method Network *Option	Maximum number of positioning points	Reference page
PCON-CFB/CGFB	1	DC24V	• *Option	• *Option	-	Device.\\et Compoi\\et Etheri\\et/IP CC-Link BIDDER EtherCAT	512 (768 for network spec.)	Please see P.131

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