## RCP6 ROBO Cylinder®



(4) Depending on the ambient operational temperature, duty control is necessary for the RCP6S (built-in controller type) with lead 3/6. Please refer to P.130 for more information.

							0.5		
	20	)0	400	600 Spee	800 d (m	1000 m/s)	1200	1400	1600
_	_	_							

0

Actuator Specifications																	
Lead and Payload		Stroke and Max. Speed (Unit: mm/s)															
Model Number	Lead (mm)	Connected Controller	Max. P Horizontal (kg)	ayload Vertical (kg)	Stroke (mm)		Lead (mm)	Connected Controller	50~400 (Every 50mm)	450 (mm)	500 (mm)	550 (mm)	600 (mm)	650 (mm)	700 (mm)	750 (mm)	800 (mm)
RCP6(S)-SA6R-WA-42P-20-10-12-13-14	20	High-output Enabled	15	1			20	High-output Enabled	1	,280		1,130	970	840	735	650	575
RCP6(S)-SA6R-WA-42P-12-1-2-1-3-4	12	High-output Enabled	28	2.5	50~800		12	High-output Enabled	900 <800>	885 <800>	735	620	535	460	405	355	315
RCP6(S)-SA6R-WA-42P-6-①-②-③-④	6	High-output Enabled	32	6	of stroke is 50mm)		6	High-output Enabled	450	435	365	305	265	230	200	175	155
RCP6(S)-SA6R-WA-42P-3-①-②-③-④	3	High-output Enabled	40	14			3	High-output Enabled	225	215	180	150	130	115	100	85	75
Legend: ① Stroke ② Applicable controller/I/O type ③	Cable	length (4) C	ptions		<u> </u>						Values	in bra	ckets	< > aı	re for v	vertica	al use.

① Stroke											
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S						
50	0	0	450	0	0						
100	0	0	500	0	0						
150	0	0	550	0	0						
200	0	0	600	0	0						
250	0	0	650	0	0						
300	0	0	700	0	0						
350	0	0	750	0	0						
400	0	0	800	0	0						

Option Code

в

CJO

ML

MR

NM

Reference Page

See P.105

See P.105

See P.109

See P.109

See P.110

③ Cable Len	gth		
Cable Type	Cable Code	RCP6	RCP6S
	<b>P</b> (1m)	0	0
Standard	<b>S</b> (3m)	0	0
	<b>M</b> (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 ø10mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Static allowable moment	Ma: 48.5N•m, Mb: 69.3N•m, Mc: 103N•m
Dynamic allowable moment (*)	Ma: 11.6N•m, Mb: 16.6N•m, Mc: 24.6N•m
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

\* Reference for overhang load length: Ma: 220mm or less, Mb, Mc: 220mm or less (\*) Assumes a standard rated life of 5,000km. The service life will vary depending on operation and installation conditions.

Please refer to our website for more information regarding the directions of the allowable moment and overhang load length.

## # When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM) **23** RCP6(S)-SA6R

Name

Cable exit direction (Outside)

Non-motor end specification

Motor side-mounted to the left

Motor side-mounted to the right

④ Options

Brake

## RCP6 ROBO Cylinder®



② Applicable Controllers											
The RCP6 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use. * Please refer to P.147 for more information about the built-in controller of RCP6S series.											
Name	External view	Max. number of controlled axes	Input power	Positioner	Pulse train	Control me Program	ethod Network *Option		Maximum number of positioning points	Reference page	
PCON-CB/CGB		1	DC24V	● *Option	● *Option	-	DeviceNet MEDAR	OUNK →	512 (768 for network spec.)	Please see P.131	
MCON-C/CG		4	DC24V	This model is network-compatible only.		CompoNet		256	Please see the MCON catalog.		
MSEL-PC/PG		4	Single-phase 100~230VAC	-	-		will vary depending on the controller. Please refer to reference pa more information.	age for	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.

