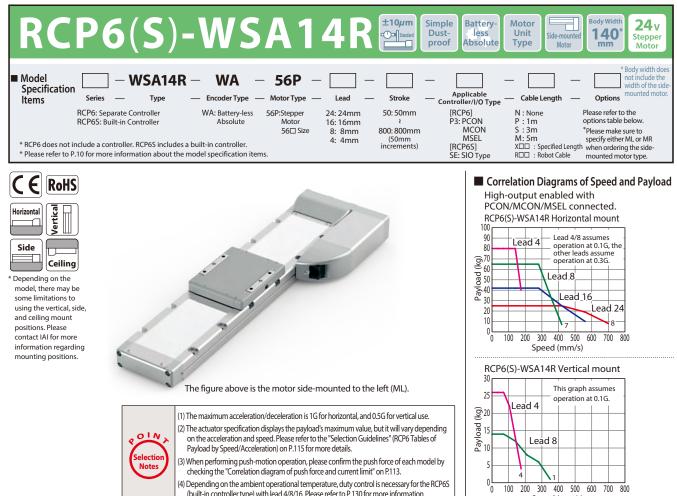
RCP6 ROBO Cylinder®



(4) Depending on the ambient operational temperature, duty control is necessary for the RCP6S (built-in controller type) with lead 4/8/16. Please refer to P.130 for more information.

Actuator Specifications														
Lead and Payload Unit: m										mm/s)				
Model Number Lead Connected M (mm) Controller						Leac (mm)			550 (mm)	600 (mm)	650 (mm)	700 (mm)	750 (mm)	800 (mm)
RCP6(S)-WSA14R-WA-56P-24-①-②-③-④	24	High-output Enabled	25	-		24	High-output Enabled	700						
RCP6(S)-WSA14R-WA-56P-16-①-②-③-④	16	High-output Enabled	50	-	50~800	16	High-output Enabled	560		550	490	440		
RCP6(S)-WSA14R-WA-56P-8-0			400 <350>	350	305	270	240	215						
RCP6(S)-WSA14R-WA-56P-4-10-12-13-19	4	High-output Enabled	80	26		4	High-output Enabled	17	5	170	150	135	120	105
Legend: ① Stroke ② Applicable controller/I/O type ③ Cable length ④ Options Values in brackets < > are for vertical use.									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

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
	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

100

200 300 400 500 600 700 800

Speed (mm/s)

Please refer to P.144 for more information regarding the maintena

Actuator Specifications

ltem	Description
Drive system	Ball screw ø12mm, rolled C10
Positioning repeatability	±0.01mm
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Static allowable moment	Ma: 462N•m, Mb: 462N•m, Mc: 1,170N•m
Dynamic allowable moment (*1)	Ma: 122N•m, Mb: 122N•m, Mc: 308N•m
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

* Reference for overhang load length: Ma: 550mm or less, Mb, Mc: 550mm or less (*1) Assumes a standard rated life of 5,000km. The service life will vary depending on

operation and installation conditions.

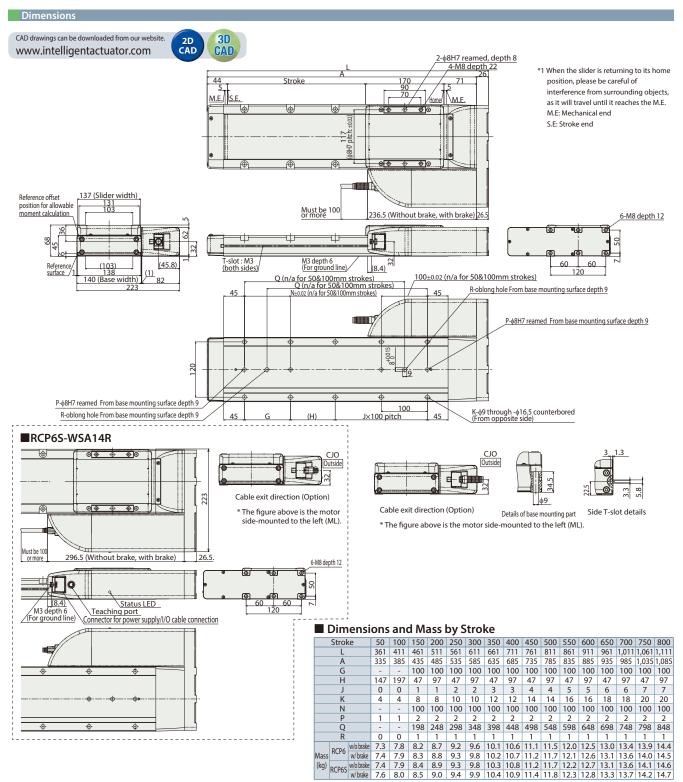
Please refer to our website for more information regarding the directions of the allowable moment and overhang load length.

④ Options

Name	Option Code	Reference Page			
Brake	В	See P.105			
Cable exit direction (Outside)	CJO	See P.105			
Motor side-mounted to the left	ML	See P.109			
Motor side-mounted to the right	MR	See P.109			
Non-motor end specification	NM	See P.110			

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

RCP6 ROBO Cylinder®



he RCP6 series actuators ca	n be operated by	the controlle	ers indicated below	. Please select th	he type depend	ing on your inte	nded use. * Please refer to	o P.147 for mor	re information about the built	-in controller of RCP6S series
	External view	Max. number of controlled axes	Input power				Maximum number of positioning points	Reference page		
PCON-CB/CGB		1	DC24V	*Option	• *Option	-	DeviceNet MM	160-14TROLINK	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 MCO catalog.
MSEL-PC/PG		4	Single-phase 100~230VAC	-	-	•	will vary depending of controller. Please refer to referen more information.	on the	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

