

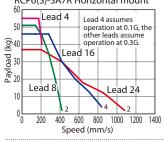


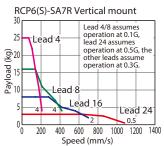
*Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions Please contact IAI for more information regarding mounting positions.



- (1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (RCP6 Tables of Payload by Speed/Acceleration) on P.115 for more details.
- (3) 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.
- (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

■ Correlation Diagrams of Speed and Payload High-output enabled with PCON/MCON/MSEL connected. RCP6(S)-SA7R Horizontal mount Lead 4 Lead 4 assumes 50





Actuator Specifications ■ Lead and Payload Lead Connected Max. Payload Model Number Controller Horizo High-output RCP6(S)-SA7R-WA-56P-24-①-②-③-④ 24 37 3 Enabled High-output RCP6(S)-SA7R-WA-56P-16-10-12-13-14 16 46 8 50~800 Enabled (The increment of stroke is 50mm) High-output RCP6(S)-SA7R-WA-56P-8-①-②-③-④ 8 51 16 Fnabled High-output RCP6(S)-SA7R-WA-56P-4-①-②-③-④ 25 Enabled

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

	■ Stroke and Max. Speed (Unit: mm/s									mm/s)
		Lead (mm)	Connected Controller		550 (mm)	600 (mm)	650 (mm)	700 (mm)	750 (mm)	800 (mm)
nt		24	High-output Enabled		1,08	30		965	850	760
		16	High-output Enabled	840 <70		830 <700>	720 <700>	635	560	500
		8	High-output Enabled	420		410	355	315	275	245
		4	High-output Enabled	210		205	175	155	135	120

Values in brackets < > are for vertical 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

Cable Type	Cable Code	RCP6	RCP6S
	P (1m)	0	0
Standard	S (3m)	0	0
	M (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.

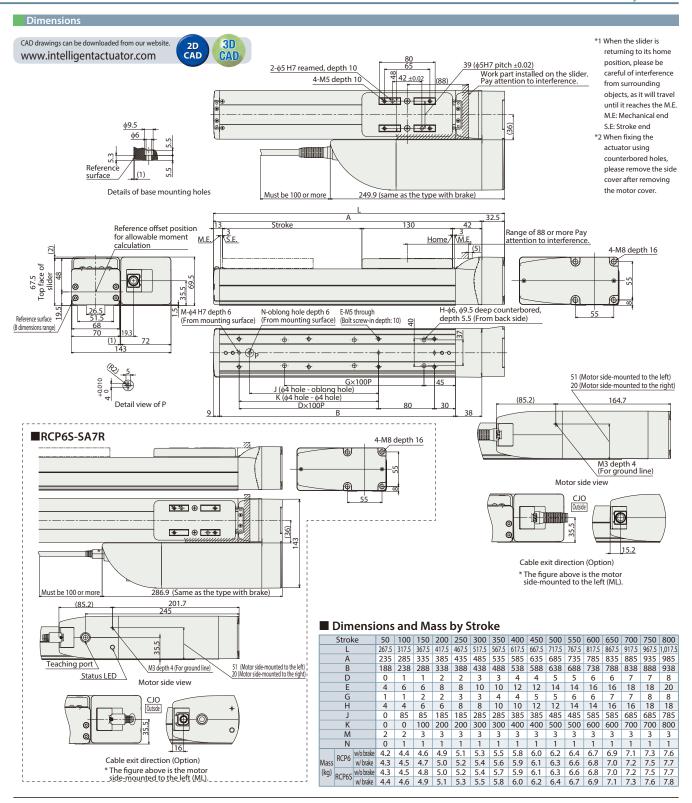
Options							
Name	Option Code	Reference Page					
Brake	В	See P.105					
Cable exit direction (Outside)	CJ0	See P.105					
Motor side-mounted to the left	ML	See P.109					
Motor side-mounted to the right	MR	See P.109					
Non-motor end specification	NM	See P.110					
Slider spacer	55	See P 111					

[#] When selecting multiple options, please list them in alphabetical order. (e.g.

Actuator Specifications						
ltem	Description					
Drive system	Ball screw \(\phi 12mm, rolled C10 \)					
Positioning repeatability	±0.01mm					
Lost motion	0.1mm or less					
Base	Material: Aluminum with white alumite treatment					
Static allowable moment	Ma: 115N·m, Mb: 115N·m, Mc: 229N·m					
Dynamic allowable moment (*)	Ma: 44.7N•m, Mb: 44.7N•m, Mc: 89.1N•m					
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)					

- * Reference for overhang load length: Ma: 300mm or less, Mb, Mc: 300mm 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.



	External	Max. number of		. Please select the type depending on your intended use. * Please refer to P.147 for mor Control method				Maximum number		
				Positioner	Pulse train				of positioning points	Reference page
PCON-CB/CGB	1	1	DC24V	• *Option	• *Option	-	Device Net	Ether Net / IP	512 (768 for network spec.)	Please see P.131
MCON-C/CG	m	4	DCZ+V	network-compatible only.		CompoNet Note: • The type of compatible networks	256	Please see the MCON catalog.		
MSEL-PC/PG		4	Single-phase 100~230VAC	-	-	•	will vary depending on the controller. Please refer to reference page for more information.		30,000	Please see the MSEL PC/PG catalog.