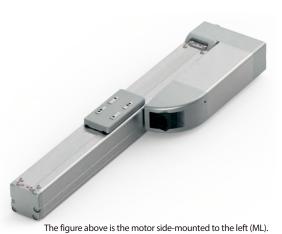




*Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions. Please contact IAI for more information regarding mounting positions.



(1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for

Selection Notes

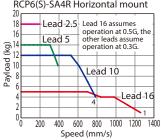
- vertical use.

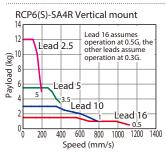
 (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection
- Guidelines" (RCP6 Tables of Payload by Speed/Acceleration) on P.115 for more details.

 (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.

■ Correlation Diagrams of Speed and Payload High-output enabled with PCON/MCON/MSEL connected. RCP6(S)-SA4R Horizontal mount





Actuator Specifications

Lead and Payload

Model Number	Lead (mm)	Connected Controller			Stroke (mm)
RCP6(S)-SA4R-WA-35P-16-①-②-③-④	16	High-output Enabled	7	1.5	
RCP6(S)-SA4R-WA-35P-10-①-②-③-④	10	High-output Enabled	12	3	50~500 (The increment
RCP6(S)-SA4R-WA-35P-5-①-②-③-④	5	High-output Enabled	14	5.5	of stroke is 50mm)
RCP6(S)-SA4R-WA-35P-2.5-①-②-③-④	2.5	High-output Enabled	18	12	

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

	■ Stroke and Max. Speed (Unit: mm/s)								
		Lead (mm)	Connected 50~400 Controller (Every 50mm)		450 (mm)	500 (mm)			
		16	High-output Enabled	1,260	1,060	875			
t		10	High-output Enabled	785	675	555			
		5	High-output Enabled	390	330	275			
		2.5	High-output Enabled	195	165	135			

Values in brackets < > are for vertical use

U Stroke					
Stroke (mm)	RCP6	RCP6S	Stroke (mm)	RCP6	RCP6S
50	0	0	300	0	0
100	0	0	350	0	0
150	0	0	400	0	0
200	0	0	450	0	0
250	0	0	500	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
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

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

Actuator Specifications

4 Options		
Name	Option Code	Reference Page
Brake	В	See P.105
Cable exit direction (Outside)	C)O	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

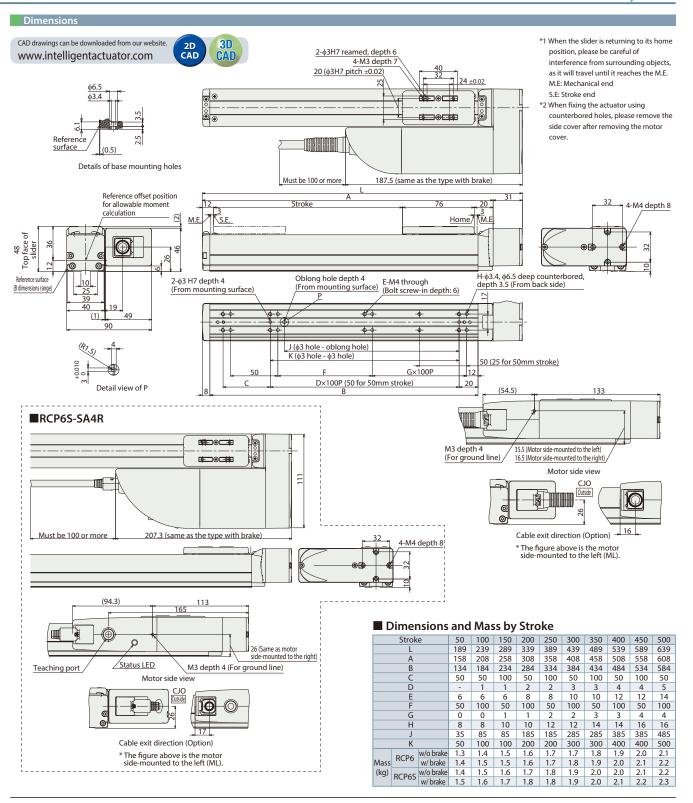
When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM)

Description
Ball screw φ8mm, rolled C10
±0.01mm
0.1mm or less
Material: Aluminum with white alumite treatment
Ma: 13.0N•m, Mb: 18.6N•m, Mc: 25.3N•m
Ma: 5.0N•m, Mb: 7.1N•m, Mc: 9.7N•m

| Ambient operating temp. & humidity | 0~40°C, 85% RH or less (Non-condensing) | * Reference for overhang load length: Ma: 150mm or less, Mb, Mc: 150mm 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.



ne RCP6 series actuators o	an be operated by	the controlle	rs indicated below	. Please select tl	he type dependi	ing on your inte	nded use. * Please	refer to P.147 for mo	re information about the buil	t-in controller of RCP6S series
	External view	Max. number of controlled axes		Control method Positioner Pulse train Program Network *Option Option Opti			Maximum number of positioning points	Reference page		
PCON-CB/CGB	ĺ	1	DC24V	• *Option	• *Option	-	DeviceNet		512 (768 for network spec.)	Please see P.131
MCON-C/CG		4	DC24V	This model is network-compatible only.		CompoNet Note: The type of compatible networks	256	Please see the MCO catalog.		
MSEL-PC/PG		4	Single-phase 100~230VAC	_	-	•	In type of compatible networks will vary depending on the controller. Please refer to reference page for more information.		30,000	Please see the MSEI PC/PG catalog.