



\*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.



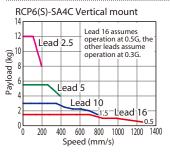
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (RCP6 Tables of Payload by Speed/Acceleration) on P.115 for more details.
- (3) When performing push-motion operation, please confirm the push force of each model by checking the "Correlation diagram of push force and current limit" on P.113.

## ■ Correlation Diagrams of Speed and Payload

High-output enabled with PCON/MCON/MSEL connected.

RCP6(S)-SA4C Horizontal mount





## Actuator Specifications

## Lead and Payload

Model Number		Connected			Stroke
	(mm)	Controller	Horizontal (kg)	Vertical (kg)	(mm)
RCP6(S)-SA4C-WA-35P-16-①-②-③-④	16	High-output Enabled	7	1.5	
RCP6(S)-SA4C-WA-35P-10-①-②-③-④	10	High-output Enabled	12	3	50~500 (The increment
RCP6(S)-SA4C-WA-35P-5-①-②-③-④	5	High-output Enabled	14	5.5	of stroke is 50mm)
RCP6(S)-SA4C-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

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

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

## Options

Name	Option Code	Reference Page
Brake	В	See P.105
Cable exit direction (Top)	CJT	See P.105
Cable exit direction (Right)	CJR	See P.105
Cable exit direction (Left)	CJL	See P.105
Cable exit direction (Bottom)	CJB	See P.105
High-precision specification *	HPR	See P.108
Non-motor end specification	NM	See P.110

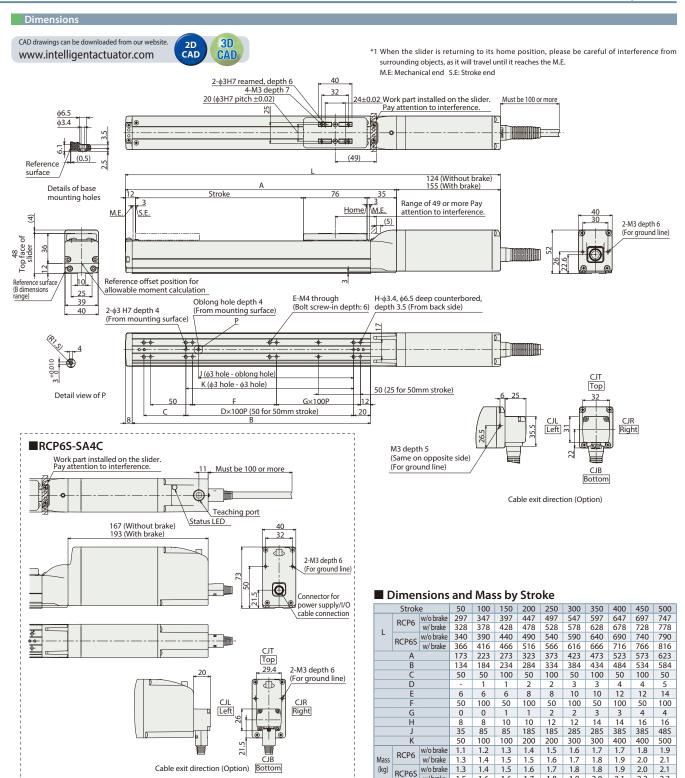
- \* Positioning repeatability is  $\pm 5\mu m$  for high-precision specification (HPR). High-precision specification option cannot be selected for lead 16.
- # When selecting multiple options, please list them in alphabetical order. (e.g. B-CJB-NM)

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
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

 $^{\ast}$  Please refer to P.144 for more information regarding the maintenance cables.

Actuator Specifications						
Description						
Ball screw φ8mm, rolled C10						
±0.01mm [±0.005mm]						
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						
0~40°C, 85% RH or less (Non-condensing)						

- \* Reference for overhang load length: Ma: 150mm or less, Mb, Mc: 150mm or less
- (\*1) Values in [ ] are for high-precision (for lead 2.5/5/10) specification.
- (\*2) Assumes a standard rated life of 5,000km. The service life will vary depending on operation and installation conditions.



Fyterna		ernal Max number of		Please select the type depending on your intended use. * Please refer to P.147 for mor Control method			Maximum number			
	view	controlled axes	Input power	Positioner	Pulse train	Program	Network	*Option	of positioning points	Reference page
PCON-CB/CGB		1	DC24V	• *Option	● *Option	-	CC-Link	EtherNet/IP	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	_	-	•	will vary depend controller.	ding on the eference page for	30,000	Please see the MSEI PC/PG catalog.