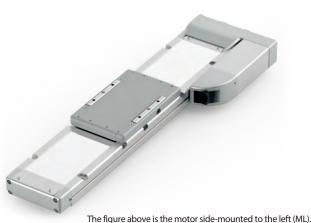






\* Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions, Please contact IAI for more information regarding mounting positions.

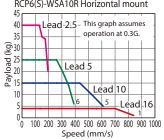


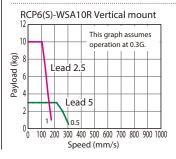
- (1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (RCP6 Tables of Payload by Speed/Acceleration)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

Enabled

# Correlation Diagrams of Speed and Payload

High-output enabled with PCON/MCON/MSEL connected. RCP6(S)-WSA10R Horizontal mount





### Actuator Specifications ■ Lead and Payload

#### Lead Connected Max. Payload Stroke **Model Number** Controller Horiz High-output RCP6(S)-WSA10R-WA-35P-16-①-②-③-④ 4 Enabled High-output 50~500 15 Enabled (The increment of stroke is High-output RCP6(S)-WSA10R-WA-35P-5-10-12-13-149 28 3 50mm) Fnabled High-output

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

RCP6(S)-WSA10R-WA-35P-2.5-10-12-13-149

■ Str	(Unit:	nit: mm/s)				
Lead (mm)	Connected Controller		350 (mm)	400 (mm)	450 (mm)	500 (mm)
16	High-output Enabled		840	775	660	
10	High-output Enabled	610	590	490	415	
5	High-output Enabled	390 <305>	355 <305>	290	245	205
2.5	High-output Enabled	195 <175>	175	145	120	100

Values in brackets < > are for vertical use.

① 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 Leff	gui		
Cable Type	Cable Code	RCP6	RCP6S
	<b>P</b> (1m)	0	0
Standard	<b>S</b> (3m)	0	0
	M (5m)	0	0
	X06 (6m) ~X10 (10m)	0	0
Specified Length	X11 (11m) ~X15 (15m)	0	0
	<b>X11</b> (11m) ~ <b>X15</b> (15m) <b>X16</b> (16m) ~ <b>X20</b> (20m)	0	0
	R01 (1m) ~R03 (3m)	0	0
	R04 (4m) ~R05 (5m)	0	0
Robot Cable	e 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

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						

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

nettato. Decimentoris						
Item	Description					
Drive system	Ball screw φ8mm, rolled C10					
Positioning repeatability	±0.01mm					
Lost motion	0.1mm or less					
Base	Material: Aluminum with white alumite treatment					
Static allowable moment	Ma: 271N•m, Mb: 271N•m, Mc: 553N•m					
Dynamic allowable moment (*1)	Ma: 65.4N•m, Mb: 65.4N•m, Mc: 134N•m					
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)					

- \* Reference for overhang load length: Ma: 500mm or less, Mb, Mc: 500mm or less
- (\*1) Assumes a standard rated life of 5,000km. The service life will vary depending on operation and installation conditions.

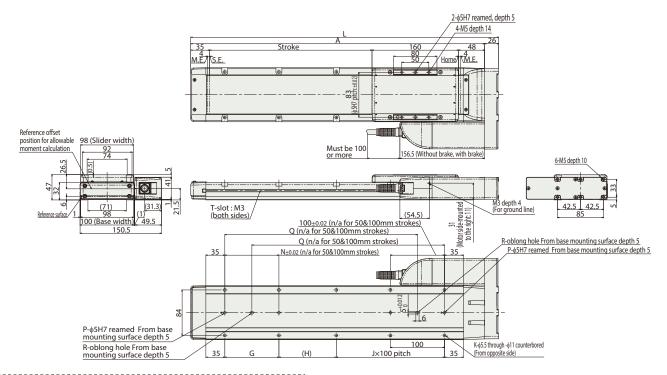
Please refer to our website for more information regarding the directions of the allowable moment and overhang load length.

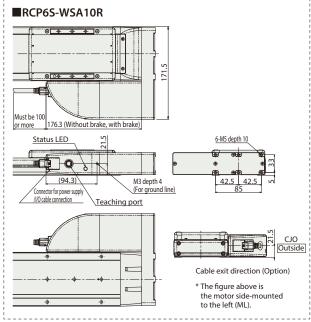
### Dimensions

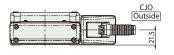
CAD drawings can be downloaded from our website www.intelligentactuator.com



\*1 When the slider is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the M.E. M.E: Mechanical end S.E: Stroke end











Cable exit direction (Option) \* The figure above is the motor side-mounted to the left (ML).

Details of base mounting part

# ■ Dimensions and Mass by Stroke

					•							
	Strok	e	50	100	150	200	250	300	350	400	450	500
	L		319	369	419	469	519	569	619	669	719	769
	A		293	343	393	443	493	543	593	643	693	743
	G		-	-	100	100	100	100	100	100	100	100
	H		156	206	56	106	56	106	56	106	56	106
	J		0	0	1	1	2	2	3	3	4	4
	K		4	4	8	8	10	10	12	12	14	14
	N		-	-	100	100	100	100	100	100	100	100
Р		1	1	2	2	2	2	2	2	2	2	
	Q		-	-	206	256	306	356	406	456	506	556
	R		0	0	1	1	1	1	1	1	1	1
	RCP6	w/o brake	2.9	3.2	3.4	3.6	3.9	4.1	4.4	4.6	4.8	5.1
Mass	ncro	w/brake	3.0	3.2	3.5	3.7	3.9	4.2	4.4	4.7	4.9	5.2
(kg)	RCP6S	w/o brake	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.2
	ner 03	w/brake	3.1	3.4	3.6	3.8	4.1	4.3	4.6	4.8	5.0	5.3

ie nei o senes detadtors e				. Please select ti	ne type depend	• •		refer to P.147 for mo		t-in controller of RCP6S series
Name External Max.number o		Input power	Control method				Maximum number	Reference page		
Name	view	controlled axes	input power	Positioner	Pulse train	Program	Networ	k *Option	of positioning points	nererence page
PCON-CB/CGB		1	DC24V	● *Option	● *Option	-	DeviceNet CC-Link	Ether CAT.	512 (768 for network spec.)	Please see P.131
MCON-C/CG	m	4	DC24V		Γhis model i k-compatib	-	CompoiNet	mpatible networks	256	Please see the MCO catalog.
MSEL-PC/PG		4	Single-phase 100~230VAC	_	-	•	will vary depen	ding on the reference page for	30,000	Please see the MSEL PC/PG catalog.