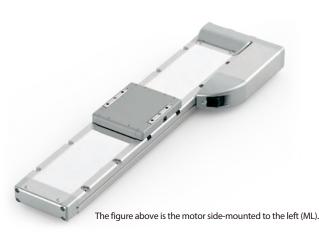








\* Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions, Please contact IAI for more information regarding mounting positions.



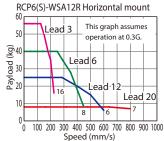
- (1) The maximum acceleration/deceleration is 1G for horizontal, and 0.5G for vertical use.
- (2) The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration and speed. Please refer to the "Selection Guidelines" (RCP6 Tables of Payload by Speed/Acceleration) 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 3/6. Please refer to P.130 for more information.

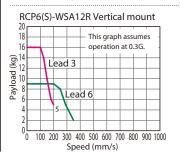
16

Enabled

# Correlation Diagrams of Speed and Payload

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





#### Actuator Specifications ■ Lead and Payload Lead Connected Max. Payload **Model Number** Controller Horizo High-output RCP6(S)-WSA12R-WA-42P-20-10-10-13-19 20 12 Enabled High-output RCP6(S)-WSA12R-WA-42P-12-10-12-13-14 50~800 12 25 Enabled The incremen of stroke is 50mm) High-output RCP6(S)-WSA12R-WA-42P-6-10-12-13-149 40 9 Fnabled High-output

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

RCP6(S)-WSA12R-WA-42P-3-①-②-③-④

	I	■ Str	oke and I	Max. S	ре	ed					(U	nit: m	m/s)
		Lead (mm)	Connected Controller					550 (mm)		650 (mm)	700 (mm)	750 (mm)	800 (mm)
) nt		20	High-output Enabled	800					740	650	580	520	
		12	High-output Enabled	600				535	465	405	355	315	285
		6	High-output Enabled	450 <400>	435 <400>	365	310	265	230	200	175	155	140
		3	High-output Enabled	225	215	180	150	130	115	100	85	75	70

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 Leff	gui		
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
	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.

## 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

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

# Actuator Specifications

3 Cable Lengtl

ltem	Description				
D : .	The state of the s				
Drive system	Ball screw \( \phi 10mm, \text{ rolled C10} \)				
Positioning repeatability	±0.01mm				
Lost motion	0.1mm or less				
Base	Material: Aluminum with white alumite treatment				
Static allowable moment	Ma: 311N·m, Mb: 311N·m, Mc: 827N·m				
Dynamic allowable moment (*1)	Ma: 87.5N•m, Mb: 87.5N•m, Mc: 233N•m				
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)				

- \* Reference for overhang load length: Ma: 450mm or less, Mb, Mc: 450mm 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.

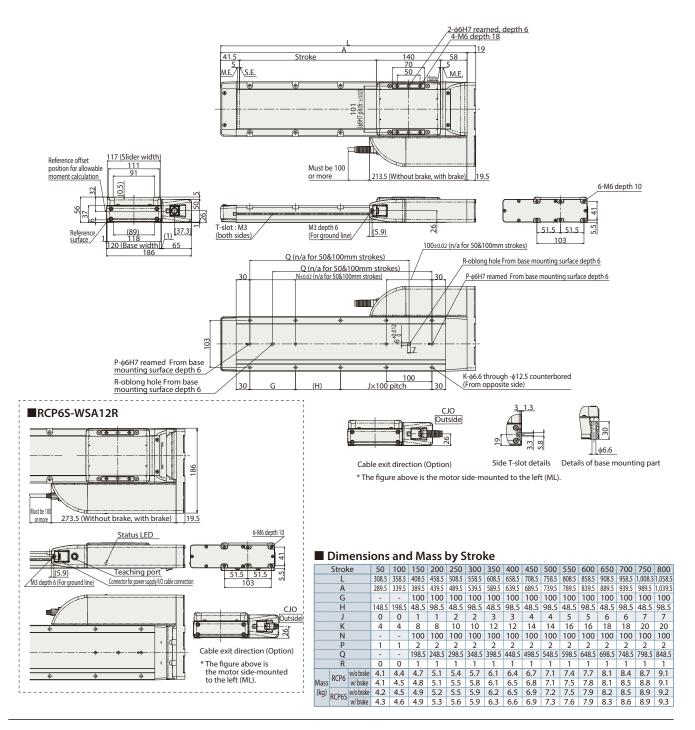
### Dimensions

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



		May number of			71 1	Control m		eier to P.147 for mo	re information about the buil  Maximum number	t-in controller of RCP65 series
			Input power	Positioner	Pulse train	Program		k *Option	of positioning points	Reference page
PCON-CB/CGB		1	DC24V	• *Option	● *Option	-	DeviceNet	Ether Vet / IP	512 (768 for network spec.)	Please see P.131
MCON-C/CG	m	4	DC24V	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 depen controller.	ding on the reference page for	30,000	Please see the MSEI PC/PG catalog.