

## Actuator Specificatio

	Model number	Lead	Connected controller	Maximun Horizontal (ko)	n payload Vertical (kg)	Stroke	
	RCP5-SA4C-WA-35P-16-①-P3-②-③	16	High-output enabled	4	1		
			High-output disabled				
	RCP5-SA4C-WA-35P-10-①-P3-②-③	10	High-output enabled	10	2.25	50~500 (Every 50mm)	
	NCF3-3A4C-WA-33F-10-0-F3-0-0		High-output disabled	10	2.25		
	RCP5-SA4C-WA-35P-5-①-P3-②-③	5	High-output enabled	12	4.5		
			High-output disabled				
	RCP5-SA4C-WA-35P-2.5-①-P3-②-③	2.5	High-output enabled	12	9		
1			High-output disabled				

Legend: ① Stroke ② Cable length ③ Options \*Please refer to P. 59 for push-motion operation.

1) Stroke				
Stroke (mm)	Standard price	Stroke (mm)	Standard price	
50	-	300	-	
100	-	350	-	
150	-	400	-	
200	-	450	-	
250	-	500	-	

③ Options				
Name	Option code	Reference page	Standard price	
Brake	B	→P. 11	-	
Cable exit direction (Top)	CJT	→P. 11	-	
Cable exit direction (Right)	CJR	→P. 11	-	
Cable exit direction (Left)	CJL	→P. 11	-	
Cable exit direction (Bottom)	CJB	→P.11	-	
Slider roller specification	SR	→P.11	-	
Non-motor end specification	NM	→P.11	-	

\* Please contact IAI for current available options.

5 RCP5-SA4C

	Stroke and Maximum Speed (Unit: mm/				Jnit: mm/s)
	Lead (mm)	Connected controller	50~400 (Every 50mm)	450 (mm)	500 (mm)
ſ	16	High-output enabled	1,260	1,060	875
		High-output disabled	840		
	10	High-output enabled	785	675	555
		High-output disabled		525	
	5	High-output enabled	390	330	275
		High-output disabled		260	
	2.5	High-output enabled	195	165	135
		High-output disabled		130	

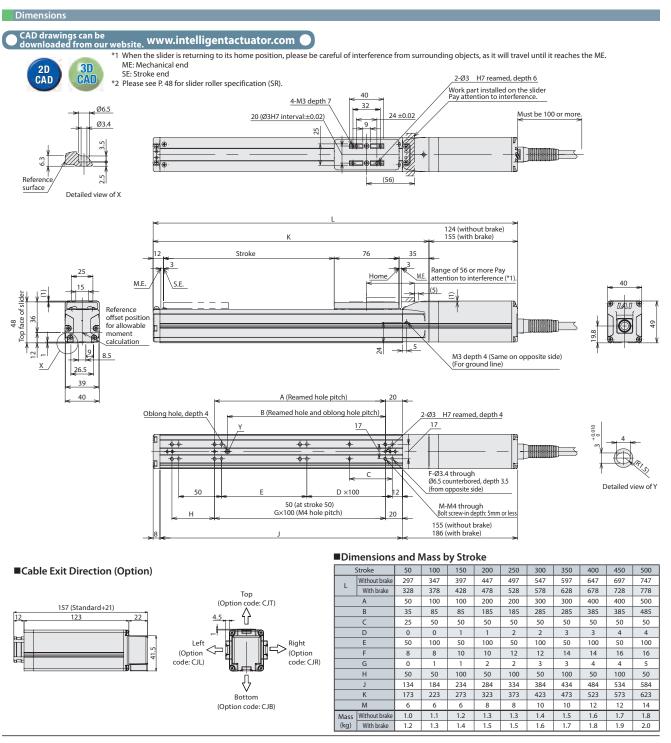
② Cable Length			
Туре	Cable code	Standard price	
	<b>P</b> (1m)	-	
Standard type	<b>S</b> (3m)	-	
	<b>M</b> (5m)	-	
	X06 (6m) ~X10 (10m)	-	
Special length	X11 (11m)~X15 (15m)	-	
	X16 (16m)~X20 (20m)	-	
	R01 (1m) ~R03 (3m)	-	
	R04 (4m) ~R05 (5m)	-	
Robot cable	R06 (6m) ~R10 (10m)	-	
	R11 (11m)~R15 (15m)	-	
	R16 (16m)~R20 (20m)	-	
*Please refer to P. 89 for maintenance cables.			

Actuator Specifications

ltem	Description		
Drive system	Ball screw Ø8mm, rolled C10		
Positioning repeatability	±0.02mm		
Lost motion	0.1mm or less		
Base	Material: Aluminum with white alumite treatment		
Dynamic allowable moment (*1)	Ma: 4.98N•m, Mb: 7.11N•m, Mc: 9.68N•m		
Static allowable moment	Ma: 8.6N•m, Mb: 12.2N•m, Mc: 16.7N•m		
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)		
<ul> <li>Reference for overhang load length/Ma: 120mm or less, Mb, Mc: 120mm or less</li> </ul>			

(\*1) Assumes a standard rated life of 5.000km.

(\*) The operational life will vary depending on operation and installation conditions. Please refer to the general catalog for details on operational life, allowable moment direction, and overhang load length.



Applicable Controllers

\* Controller for RCP6 series is PCON, MSEL, RCON or RSEL. Please refer our Controller General Catalog and/or contact IAI.

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