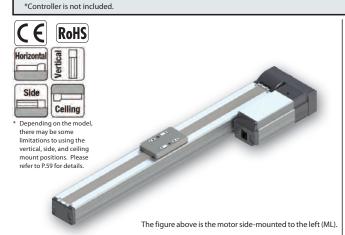
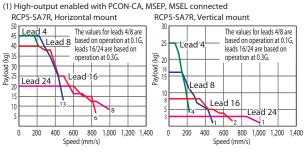
ROBO Cylinder, Slider Type, Side-mounted Motor Type, Actuator Width 73mm, 24V Pulse Motor ■Model RCP5 — SA7R — WA **56P** Applicable Specification - Encoder type Lead Stroke Cable length Options Type Motor type Items WA: Battery-less 56P: Pulse motor, 24: 24mm 50: 50mm N: No cable Please refer to P3: PCON/MSEL P: 1m S: 3m absolute size 56□ 16: 16mm the options P5: RCON/RSEL specification 800: 800mm table below. 8:8mm (Every 50mm) M: 5m X□□: Specified length



- The actuator specification displays the payload's maximum value, but it will vary depending on the acceleration. Please refer to the "Selection Guidelines" (RCP5 Payload by Speed/Acceleration Table) on P. 61.
- (2) Please refer to P. 59 for push-motion operation.

■Correlation Diagrams of Speed and Payload (1) High-output enabled with PCON-CA, MSEP, MSEL connected

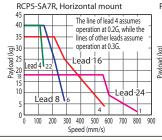


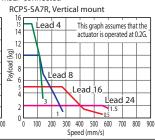
R□□: Robot cable

* PCON-CA is a

previous model Current model is PCON-CB.

(2) High-output disabled with PCON-CA, MSEP connected





Actuator Specifications

■Lead and Payload

Lead (mm)	Connected controller	Maximum payload Horizontal (kg) Vertical (kg)		Stroke (mm)
24	High-output enabled	20	3	
24	High-output disabled	18	2	
16	High-output enabled	40	8	
	High-output disabled	35	5	50~800
	High-output enabled	45	16	(Every 50mm)
0	High-output disabled	40	10	
4	High-output enabled	45	25	
4	High-output disabled	40	15	
	(mm)	(mm) controller 24 High-output enabled High-output disabled High-output disabled High-output disabled High-output disabled High-output disabled High-output disabled High-output enabled High-output enabled	Controller	Controller

Legend: 1 Stroke 2 Cable for push-motion operation.

■ Stroke and Maximum Speed Values in brackets <> are for vertical use. (Unit: mm/s)

Lead (mm)	Connected controller	50~550 (Every 50mm)	600 (mm)	650 (mm)	700 (mm)	750 (mm)	800 (mm)
	High-output enabled		1,000 885			785	
24	High-output disabled		800 <600>		785 <600>		
16	High-output enabled	_	840 755 <700> 755 660 585		520		
	High-output disabled	560			520		
8	High-output enabled	490	430	375	325	290	255
*	High-output disabled	280				255	
4	High-output enabled	210 185 160 140		125			
4	High-output disabled	140		125			

length 3 Options *Please refer to P. 5	59 f
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Stroke (mm)	Standard price	Stroke (mm)	Standard price
50	-	450	-
100	_	500	_

50	-	450	-
100	-	500	-
150	-	550	-
200	-	600	-
250	-	650	-
300	-	700	-
350	-	750	-
400	_	800	_

② Cable Length

Type	Cable code	Standard price	Type	Cable code	Standard price
Standard	P (1m)	-		R01 (1m) ~R03 (3m)	-
1	S (3m)	-	Robot	R04 (4m) ~R05 (5m)	-
type	M (5m)	-		R06 (6m) ~R10 (10m)	-
Special	X06 (6m) ~X10 (10m)	-	cable	R11 (11m)~R15 (15m)	-
1	X11 (11m)~X15 (15m)	-]	R16 (16m)~R20 (20m)	-
length	X16 (16m)~X20 (20m)	-			

^{*}Please refer to P. 89 for maintenance cables

③ Options

Name	Option code	Reference page	Standard price
Brake	В	→P. 11	-
Cable exit direction (Top)	CJT	→P. 11	-
Cable exit direction (Outside)	CJO	→P. 11	-
Cable exit direction (Bottom)	CJB	→P. 11	-
Motor side-mounted to the left (Standard)	ML	→P. 11	-
Motor side-mounted to the right	MR	→P. 11	-
Non-motor end specification	NM	→P. 11	-
Slider roller specification	SR	→P. 11	-
Slider spacer	SS	→P. 11	-

^{*} Please contact IAI for current available options

Actuator Specifications

Item	Description
Drive system	Ball screw Ø12mm, rolled C10
Positioning repeatability (*1)	±0.02mm [±0.03mm]
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Dynamic allowable moment (*2)	Ma: 11.6N•m, Mb: 16.6N•m, Mc: 33.7N•m
Static allowable moment	Ma: 51.2N•m, Mb: 73.1N•m, Mc: 148N•m
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)

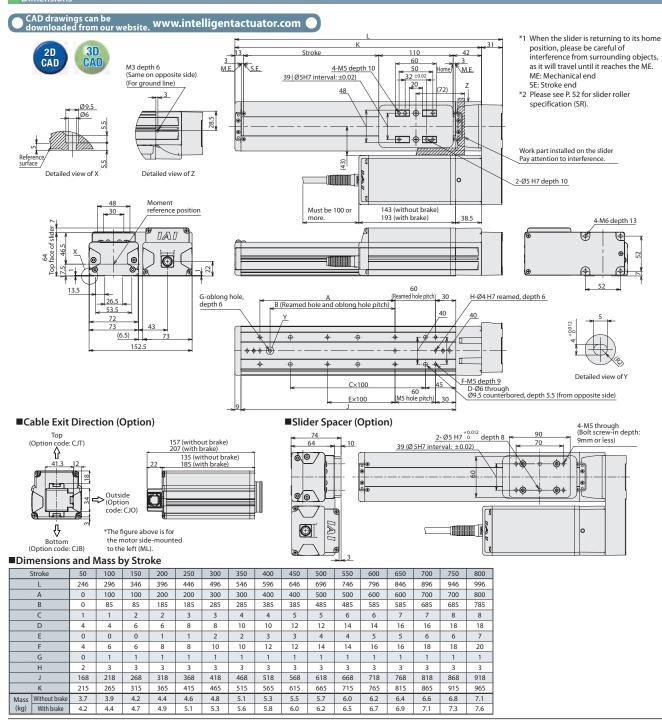
[•]Reference for overhang load length/Ma: 230mm or less, Mb, Mc: 230mm or less

^(*1) The values in brackets [] are for Lead 24.

^(*2) 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.

Dimensions



Applicable Controllers

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