







































RCA2-SA4R ROBO Cylinder Slider Type 40mm Width Servo Motor Side-Mounted Motor

■ Configuration:	RCA2	_ S	A4R	_	ı	_	20	_	_		_	
	Series		Type	_	Encoder					Compatible Controllers		

2.5:2.5mm

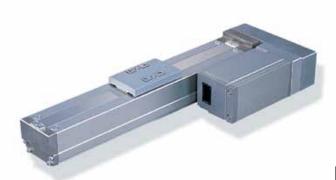
A1: ACON RACON ASEL A3: AMEC ASEP I: Incremental
* Simple absolute
encoder models
are labeled as "I". N: None
P: 1m
S: 3m
M: 5m
X \cup: Custom Length See Options below
* Be sure to specify which
side the motor is to be 20: 20W Servo 10:10mm 5: 5mm 500:500mm

(50mm pitch

* See page Pre-35 for explanation of each code that makes up the configuration name.

Power-saving

mounted (ML/MR).



Technical References



(Unit: mm/s)



(1) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2.5mm-lead model, or when used vertically).

These values are the upper limits for the acceleration.

Lead	and	Load	Ca	pacity

Model	Motor Output (W)		Max. Load Horizontal (kg)		Rated Thrust (N)	Stroke (mm)
RCA2-SA4R-I-20-10-① -② -③ -④		10	2	1	34	50 500
RCA2-SA4R-I-20-5-①-②-③-④	20	5	4	1.5	68	50~500 (50mm
RCA2-SA4R-I-20-2.5-①-②-③-④		2.5	6	3	136	increments)
Legend ① Stroke ② Compatible controller ③ Cable le	ength 4 Option	ons				

Stroke and Maximum Speed

	Stroke Lead	$50 \sim 500$ (50mm increments)
	10	500
	5	250
1	2.5	125

Logona	T ou out	Z companion commono.	O Gabie iongin	4
① Sti	roke List			

⊕ 5 1,510 ±10						
Stroke (mm)	Standard Price					
Stroke (IIIII)	With cover (standard)	No cover (Option)				
50	1	_				
100	-	-				
150	_	-				
200	-	-				
250	-	-				
300	-	-				
350	-	-				
400	-	-				
450	_	_				
500	_	_				

3 Cable List

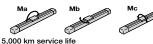
Туре	Cable Symbol	Standard Price
Standard	P (1m)	_
	S (3m)	_
(Robot Cables)	M (5m)	_
	X06 (6m) ~ X10 (10m)	_
Special Lengths	X11 (11m) ~ X15 (15m)	_
	X16 (16m) ~ X20 (20m)	_

- * The standard cable is the motor-encoder integrated robot cable.
- * See page A-39 for cables for maintenance.

1	٦'n	tion	Lic	

TO OPTION LIGH			
Name	Option Code	See Page	Standard Price
Brake-Equipped	В	→ A-25	_
Cable Exit Direction (Top)	CJT	→ A-25	_
Cable Exit Direction (Outside)	C10	→ A-25	_
Cable Exit Direction (Bottom)	CJB	→ A-25	_
Power-saving	LA	→ A-32	_
Left-Mounted Motor (Standard)	ML	→ A-33	_
Right-Mounted Motor	MR	→ A-33	_
No Cover	NCO	→ A-33	_
Reversed-home	NM	→ A-33	_

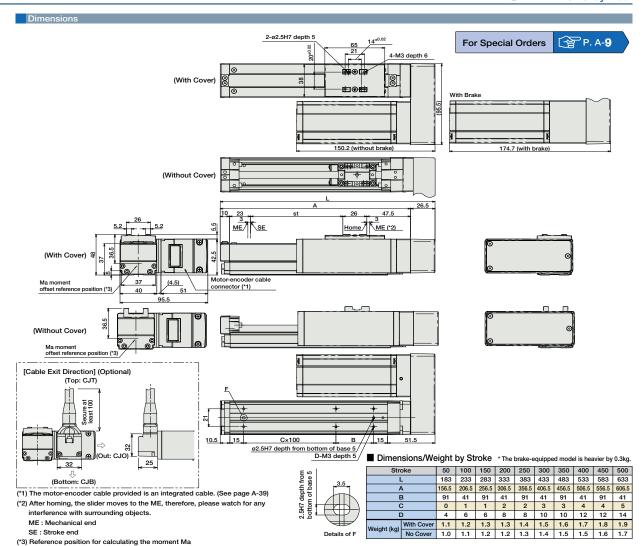
Item	Description			
Drive System	Ball screw Ø8mm C10 grade			
Positioning Repeatability	±0.02mm			
Lost Motion	0.1 mm or less			
Base	Material: Aluminum (special alumite treated)			
Allowable Static Load Moment	Ma: 6.8N·m Mb: 9.7N·m Mc: 13.3N·m			
Allowable Dynamic Load Moment	Ma: 3.04N·m Mb: 4.31N·m Mc: 5.00N·m			
Overhang Load Length	120mm or less			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			
Directions of Allowable Load Mo	ments Mc Ma Mc Mc Mc Mc Mc Mc Mc Mc			











	2	Com	patible	Contro	llers
--	---	-----	---------	--------	-------

The RCA2 series actuators can operate with the controllers below. Select the controller according to your usage.

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
0.1		AMEC-C-20SI①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	_	→ P477
Solenoid Valve Type	1	ASEP-C-20SI①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	D407
Splash-ProofSolenoid Valve Type	1	ASEP-CW-20SI①-NP-2-0	No homing necessary with simple absolute type.				-	→ P487
Positioner Type	E I	ACON-C-20SI①-NP-2-0	Positioning is possible for up to 512 points	512 points			-	
Safety-Compliant Positioner Type		ACON-CG-20SI①-NP-2-0	Positioning is possible for up to 312 points	512 points		(Standard) 1.7A rated	-	
Pulse Train Input Type Differential Line Driver)		ACON-PL-20SI①-NP-2-0	Pulse train input type with differential line driver support	(-)	DC24V	5.1A max. (Power-saving) 1.7A rated	-	→ P53
Pulse Train Input Type (Open Collector)	c l	ACON-PO-20SI①-NP-2-0	Pulse train input type with open collector support	(-)		3.4A max.	-	
Serial Communication Type		ACON-SE-20SI①-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RACON-20S①	Dedicated to field network	768 points			_	→ P500
Program Control Type		ASEL-C-1-20SI①-NP-2-0	Programmed operation is possible Can operate up to 2 axes	1500 points			y Standard Price	→ P56

IAI

RCA2-SA4R **70**



Mini
Standard
Controllers
Integrated
Mini
Standard
Controllers
Integrated
Arm
Jefat Type
Mini
Standard
Standard

PMEC AMEC PSEP ASEP ASEP ASEL SSEL

^{*} ① is replaced with the code "LA" when support for power-saving is specified.