Controllers integrated

Rod Type

Mini

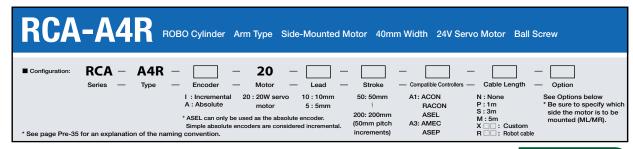
Standard

Controllers integrated

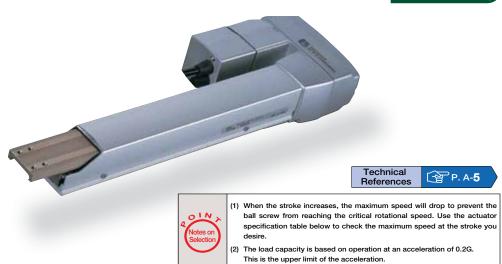
Table/Arm /Flat Type

Mini

Standard



Power-saving)



Actuator Specifications ■ Lead and Load Capacity Stroke and Maximum Speed $50 \sim 200$ (50mm increment Lead Max. Load Capacity Output (w) (mm) Thrust (N) (mm) RCA-A4R-1 -20-10-2 -3 -4 -B-5 10 10 330 50~200 20 RCA-A4R-①-20-5-②-③-④-B-⑤ 5 4.5 78.4 5 165 increments

Encoder & Stroke List

② Stroke (mm)	Standard Price		
	① Encoder		
	Incremental	Absolute	
	I	A	
50	_	_	
100	-	-	
150	_	_	
200	-	-	

Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options

,	•	
	P (1m)	_
Standard Type	S (3m)	-
-	M (5m)	_
X06 (6r	X06 (6m) ~ X10 (10m)	_
Special Lengths	X11 (11m) ~ X15 (15m)	-
	X16 (16m) ~ X20 (20m)	-
	R01 (1m) ~ R03 (3m)	-

Cable Symbol

R04 (4m) ~ R05 (5m) Robot Cable R06 (6m) ~ R10 (10m) R11 (11m) ~ R15 (15m) R16 (16m) ~ R20 (20m)

> Description Ball screw ø8mm C10 grade (ball screw speed reduced by 1/2 by timing belt)

⑤ Option List

Name	Option Code	See Page	Standard Price
Brake (standard)	В	→ A-25	
Power-saving	LA	→ A-32	
Bottom-mounted motor	MB	→ A-33	
Right-mounted motor	MR	→ A-33	_
Left-mounted motor	ML	→ A-33	
Reversed-home	NM	→ A-33	



4 Cable List

Actuator Specifications Item



5,000 km service life

Drive System





(Unit: mm/s)

317 RCA-A4R



^{*} See page A-39 for cables for maintenance.





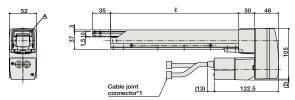
- The motor-encoder cable is connected here. See page A-39 for details on cables.

 When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects.

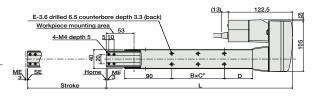
 ME: Mechanical end SE: Stroke end

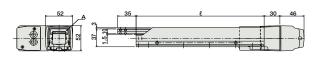
Bottom-mounted motor (option code: MB)

8 E-3.6 drilled 6.5 deep counterbore 3.3 (back) ent reference position

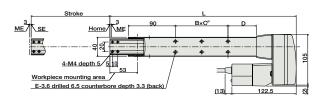


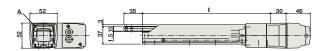
Right-mounted motor (option code: MR)

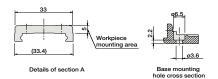




Left-mounted motor (option code: ML)







■ Dimensions and Weight by Stroke

		_	•	
Stroke	50	100	150	200
L	255	305	355	405
l	144	194	244	294
B×C ^p	1×19	1×50	2×50	2×50
D	35	54	54	104
Е	4	4	6	6
Weight (kg)	1.7	1.8	2.0	2.1

The RCA 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	
Solenoid Valve Type		AMEC-C-20I(2)-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477	
Solenoid valve type	1	ASEP-C-2012)-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types.	3 points			-	→ P487	
Splash-Proof Solenoid Valve Type	Ī	ASEP-CW-2012-NP-2-0	No homing necessary with simple absolute type.				-		
Positioner Type		ACON-C-20I②-NP-2-0	Positioning is possible for up to 512 points	512 points	512 pointe			-	
Safety-Compliant Positioner Type		ACON-CG-201②-NP-2-0	Total string to possible for up to 512 points		DC24V	V 1.3A rated 4.4A peak	-	→ P535	
Pulse Train Input Type Differential Line Driver)		ACON-PL-2012-NP-2-0	Pulse train input type with differential line driver support	(-)			-		
Pulse Train Input Type (Open Collector)		ACON-PO-20I②-NP-2-0	Pulse train input type with open collector support				-		
Serial Communication Type		ACON-SE-2012-N-0-0	Dedicated to serial communication	64 points			-		
Field Network Type		RACON-20②	Dedicated to field network	768 points			-	→ P503	
Program Control Type		ASEL-C-1-20①②-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P567	

IAI

RCA-A4R 318

