Controllers
Integrated

Rod
Type

Mini

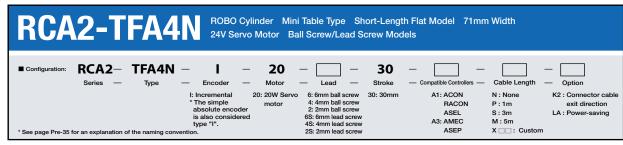
Standard
Controllers
Integrated

Table/Arm
/Flat Type

Mini

Standard

Gripper/
Rotary Type



Power-saving

Technical References

Stroke and Maximum Speed

P. A-**5**

(mm)

270 <220> 200

100

220

200

100

The values enclosed in "< >" apply to vertical usage. (Unit: mm/s)

- (1) The load capacity is based on operation at an acceleration of 0.3G (0.2G for the 2mm-lead model, or when used vertically). This is the upper limit of the acceleration.
- (2) When using the Lead screw model, please ensure that your usage is appropriate for its characteristics. (See page Pre-42 for more

6

4

2

6

4

2

Ball

Lead

Actuator Specifications

■ Lead and Load Capacity

Model		Feed	Lead	Max. Load Gapacity		Hated	Repeatability	Stroke
Widdel	Output (W)	Screw	(mm)	Horizontal (kg)	Vertical (kg)	Thrust (N)	(mm)	(mm)
RCA2-TFA4N-I-20-6-30-①-②-③		6	2	0.5	33.8			
RCA2-TFA4N-I-20-4-30-①-②-③	20	Ball screw	4	3	0.75	50.7	±0.02	30 (Fixed)
RCA2-TFA4N-I-20-2-30-1 -2 -3			2	6	1.5	101.5		
RCA2-TFA4N-I-20-6S-30-①-②-③			6	0.25	0.125	19.9		
RCA2-TFA4N-I-20-4S-30-1-2-3	20	Lead screw	4	0.5	0.25	29.8	±0.05	30 (Fixed)
RCA2-TFA4N-I-20-2S-30-1-2-3			2	1	0.5	59.7		
Legend Compatible controller Cable length	3 Optio	ns						

ist		② Cabl

Stroke (mm)	Standard Price				
Stroke (IIIII)	roke (mm) Feed Screw	Screw			
	Ball Screw Model	Lead Screw Model			
30	•	-			

le List

	Туре	Cable Symbol	Standard Price
S+	andard	P (1m)	-
1		S (3m)	-
(Hob	(Robot Cables)	M (5m)	-
		X06 (6m) ~ X10 (10m)	-
Speci	al Lengths	X11 (11m) ~ X15 (15m)	-
		X16 (16m) ~ X20 (20m)	-

^{*} The RCA2 comes standard with a robot cable.

Stroke Li

Name	Option Code	See Page	Standard Price
Connector cable exit direction	K2	→ A-32	_
Power-saving	LA	→ A-32	-

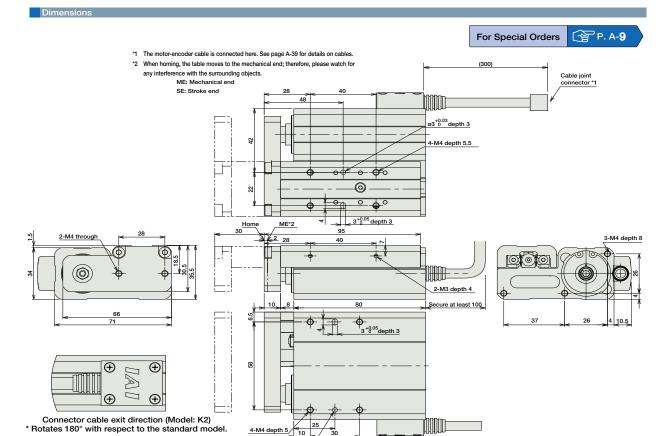
Actuator Specifications

Item	Description			
Drive System	Ball screw/Lead screw ø6mm C10 grade			
Lost Motion	Ball screw: 0.1mm or less/Lead screw: 0.3mm or less (initial value)			
Frame	Material: Aluminum (white alumite treated)			
Allowable Dynamic Moment (Note)	Ma: 9.9 N·m Mb: 9.9 N·m Mc: 3.3 N·m			
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)			
Service Life Lead Screw Model	Horizontal: 10 million cycles Vertical: 5 million cycles			

(Note) Based on a 5,000 km service life set for the guide.

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





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■ Dimensions/Weight by Stroke

Stroke	30
Weight (kg)	0.6

The RCA2 serie	es actuators car	n operate with the cont	rollers below. Select the controller acc	cording to your usag	e.				
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page	
Solenoid Valve Type	(A)	AMEC-C-20I①-NP-2-1	Easy-to-use controller, even for beginners		AC100V	2.4A rated	-	→ P477	
Solenoid valve type	1	ASEP-C-20I①-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with simple absolute type.	Operable with same signal as solenoid valve.			-	— → P487	
Splash-Proof Solenoid Valve Type	D	ASEP-CW-20I①-NP-2-0					-		
Positioner Type		ACON-C-20I①-NP-2-0	Positioning is possible for up to 512 points	512 points		(Standard) 1.3A rated	-		
Safety-Compliant Positioner Type	AC	ACON-CG-20I①-NP-2-0	1 ostavning is possible for up to 512 points				-		
Pulse Train Input Type Differential Line Driver)	Û	ACON-PL-20I①-NP-2-0	ACON-PL-2013-NP-2-0 Pulse train input type with differential line driver support (-)	DC24V	4.4A max. (Power-saving)	-	→ P535		
Pulse Train Input Type (Open Collector)			ACON-PO-20I①-NP-2-0	Pulse train input type with open collector support	(-)		1.3A rated 2.5A max.	-	
Serial Communication Type		ACON-SE-201①-N-0-0	Dedicated to serial communication	64 points			-		
Field Network Type		RACON-20①	Dedicated to field network	768 points			-	→ P503	
Program Control Type		ASEL-C-1-20I①-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points		-	→ P567		

IAI

RCA2-TFA4N 300



Mini
Standard
Controllers
Integrated
Rod
Type
Mini
Standard
Controllers
Integrated
Mini
Standard
Mini
Standard

PMEC AMEC PSEP ASEP ASEP ASED PCON ACON SCON PSEL ASEL SSEL