

Actuator Specifications								
Lead and Load Capacity (Note 1) Please note that the maximum load capacity decreases as the speed increases. Stroke and Maximum Speed								
Model		Max. Load Capacity (Note 1) Horizontal(kg) Vertical(kg) (N) (Note 2)		Stroke (mm)	Stroke Lead	50~300 (50mm increments)		
RCP2W-RA6C-I-56P-16-①-②-③-④	16	~40	~5	240	50,000	16	320〈265〉	
RCP2W-RA6C-I-56P-8-①-②-③-④	8	50	~17.5	470	50~300 (50mm increments)	8	200	
RCP2W-RA6C-I-56P-4-①-②-③-④	4	55	~26	800	increments)	4	100	
Legend ① Stroke ② Compatible controller ③ Cable length ④ Options (Note 2) See page A-69 for push force graph. * The value inside < > applies to vertical setting. (Unit: mr							> applies to vertical setting. (Unit: mm/s)	

① Stroke List						
Stroke (mm)	Standard Price					
50	-					
100	_					

	<u>.</u>
Туре	Cable Symb
	<b>P</b> (1m)
Other stand	C (0)

③ Cable List

	P(1m)	-
Standard	<b>S</b> (3m)	-
	<b>M</b> (5m)	-
	X06 (6m) ~ X10 (10m)	-
Special Lengths	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)	-

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Standard Price

\* See page A-39 for cables for maintenance.

Option Code	See Page	Standard Price
В	→ A-25	-
FL	→ A-27	-
FT	→ A-29	-
NM	→ A-33	-
	B FL FT	B $\rightarrow$ A-25FL $\rightarrow$ A-27FT $\rightarrow$ A-29

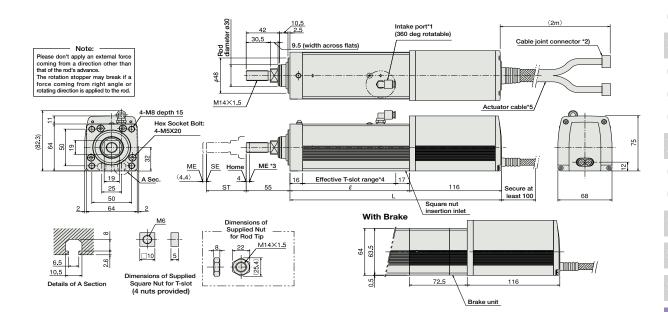
Actuator Specifications					
Item	Description				
Drive System	Ball screw ø12mm C10 grade				
Positioning Repeatability	±0.02mm				
Lost Motion	0.1 mm or less				
Rod diameter	ø30mm				
Rod non-rotational accuracy	±1.0 degrees				
Protection Structure	IP65				
Ambient Operating Temp./Humidity	0~40°C, 85%RH or less (Non-condensing)				

## 447 RCP2W-RA6C



## RCP2W ROBO Cylinder

[중 P. A-9 For Special Orders



\*1. Intake/exhaust port is the air exhaust tube in the main body. Insert OD ø6 mm tube and use it extended to a place that is not prone to water spills or intake.

- \*2. Connect motor encoder cable . See page A-39 for details on cables. The cable joint connector is not splash-proof; therefore, please secure it in a place that is not prone to water spills.
- \*3. When homing, the rod moves to the ME; therefore, please watch for any interference with the surrounding objects. ME: Mechanical End
- SE: Stroke end

Pulse Train Input y (Differential Line Driver)

Pulse Train Input Type (Open Collector

Serial Communication Type

Field Network Type

Program Control Type

1

Dimensions

- The dimensions enclosed in "()" are reference dimensions. \*4. Please note that there is no T-slot in the bottom of brake unit.

PCON-PL-56PI-NP-2-0

PCON-PO-56PI-NP-2-0

PCON-SE-56PI-N-0-0

PSEL-C-1-56PI-NP-2-0

**RPCON-56P** 

\*5. The actu don't us

Adding a brake increases overall length by 72.5mm and its weight by 0.9kg.

150

250

200

300

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*5. The actuator cable is not a robot cable (flex resistant cable); therefore, please		ase L	266	316	366	416	466	516	
don't use it for movable parts such as cable track.			Weight (kg)	3.5	4.0	4.5	5.0	5.5	6.0
	ble Controlle ries actuators ca	ers an operate with the controllers below. S	Select the controller acc	ording to your	usage.		_		
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price		See Page
Coloradid Volue Trace		PMEC-C-56PI-NP-2-①	Easy-to-use controller, even for beginners. Operable with same signal as solenoid valve. Supports both single and		AC100V AC200V	See P481	-		→ P477
Solenoid Valve Type	1	PSEP-C-56PI-NP-2-0		3 points			-		- → P487
Splash-Proof Solenoid ValveType	1	PSEP-CW-56PI-NP-2-0	double solenoid types. No homing necessary with simple absolute type.				-		P40/
Positioner Type	<b>K</b> Î	PCON-C-56PI-NP-2-0	Positioning possible for	512 points			-		
Safety Category Compliant Positioner Type		PCON-CG-56PI-NP-2-0	up to 512 points	512 points			-		

Dimensions/Weight by Stroke

150

100

200

DC24V

2A max

Stroke

Differential line driver support Pulse Train

Input Type

Open Collector Pulse Train Input Type

Dedicated to serial communication

Dedicated to field network

Programmed operation is possible Can operate up to 2 axes

250 300

350

400

Controllers PMEC AMEC PSEP ASEP ASEP ABBO NET ERC2 PCON ACON SCON PSEL

plash-Pro

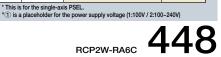
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(-)

64 points

768 points

1500 points



→ P525

→ P503

 $\rightarrow P557$ 

