

YE4-40

Standard type: Small type

● LOW COST HIGH PERFORMANCE MODEL



- Arm length 400mm
- Maximum payload 4kg

Ordering method

Model	Maximum payload	Arm length	Z axis stroke	Version	Return-to-origin method	Hollow shaft/Hollow cap	Brake release switch	Cable	Controller / Number of controllable axes	Safety standard	Option A to E (OPA to E)
YE 4 - 40 Z15 - A					S : Sensor T : Stroke end	No entry: None S : With hollow shaft C : With hollow cap	No entry: None B : With brake release switch	3L : 3.5m 5L : 5m 10L : 10m	RCX440-4	N	

Specifications

Axis specifications	Arm length	X-axis	Y-axis	Z-axis	R-axis
	Rotation angle	+/-132°	+/-150°	-	+/-360°
AC servo motor output		200 W	100 W	100 W	100 W
Deceleration mechanism	Transmission method	Direct-coupled		Timing belt	
	Motor to speed reducer	Direct-coupled		Timing belt	
	Speed reducer to output	Direct-coupled		Timing belt	
Repeatability ^{Note 1}		+/-0.01 mm	+/-0.01 mm	+/-0.01°	
Maximum speed		6 m/sec	1.1 m/sec	2600 °/sec	
Maximum payload		4 kg (Standard specification, Option specifications ^{Note 4}), 3 kg (Option specifications ^{Note 5})			
Standard cycle time: with 2kg payload ^{Note 2}		0.40 sec			
R-axis tolerable moment of inertia ^{Note 3}		0.05 kgm ²			
User wiring		0.2 sq × 10 wires			
User tubing (Outer diameter)		φ 4 × 3			
Travel limit		1. Soft limit 2. Mechanical stopper (X,Y axis)			
Robot cable length		Standard: 3.5 m Option: 5 m, 10 m			
Weight		15 kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

Note 2. When reciprocating 300mm horizontally and 25mm vertically while conveying 2 kg with rough positioning in an arch motion.

Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and offset amount for R-axis moment of inertia settings.

Note 4. Standard specification and optional specifications (brake release switch specification and user wiring/piping through-cap specification).

Note 5. Optional specification (user wiring/piping through-shaft specification).

Controller

Controller	Power capacity (VA)	Operation method
RCX440	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. The movement range can be restricted by adding the X- and Y-axis mechanical stoppers. (The maximum movement range was set at shipment.)

See our robot manuals (installation manuals) for detailed information.

Note. To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

Our robot manuals (installation manuals) can be downloaded from our website at the address below:
<https://global.yamaha-motor.com/business/robot/>

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