

- 150

Z axis stroke

LOW COST HIGH PERFORMANCE MODEL



Ordering method

YK400XEC- 4

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9	Brake release switch	-	C le
_	No entry: None		3L: 3
	BS: With brake release switch		5L: 5
		6	10L:

om 10m

RCX340-4 Safety standard Option A to E (OP.A to E) Absolute batterv

Specify various controller setting items. RCX340 ▶ P.636

Basic specifications

			X axis	Y axis	Z axis	R axis	
Axis	Arm lengt	h (mm)	225	175	150	-	
specifications	Rotation angle (°)		+/-132	+/-145	-	+/-360	
AC servo motor output (W)			200	100	100	100	
Deceleration Tr	ansmission	Motor to speed reducer	Direct-coupled Tin		Timir	ning belt	
mechanism m	ethod	Speed reducer to output		Direct-coupled		Timing belt	
Repeatability Note 1 (XYZ: mm) (R: °)			+/-(0.01	+/-0.01	+/-0.01	
Maximum speed (XYZ: m/sec) (R: °/sec)			(6	1.1	2600	
Maximum payload (kg)			4				
Standard cycle time: with 2kg payload (sec) ^{Note 2}			0.45				
R-axis tolerable moment of inertia Note 3 (kgm ²)			0.05				
User wiring (sq >	wires)		0.2×10				
User tubing (Out	er diamete	r)	φ4×3				
Travel limit			1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)				
Robot cable leng	gth (m)		Standard: 3.5 Option: 5, 10				
Weight (kg)			18				
Degree of cleanliness			ISO CLASS 4 (ISO 14644-1)				
Intake air (N¢/min)			55 Note 4				

Controller							
Controller	Power capacity (VA)	Operation method					
RCX340	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication					

Note. User wiring/tubing can be passed through from the top to the tip of the Z-axis shaft. For details, see the manual (installation , manual).

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

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/

Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions and performing the coarse positioning arch operation. Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings. Note 4. Set within the range of ±1Nt/min. When the suction volume is not appropriate, it may adversely affect the cleanliness degree or deform the bellows.

