Standard type: Large type LOW COST HIGH PERFORMANCE MODEL

Arm length 710mm
Maximum payload 10kg

Ordering method

YK710XE- 10 -200

No entry: None F: With tool flange

No entry: None

No entry: None BS: With brake ral-

RCX340-4

Option A to E (OP.A to E)

Specify various controller setting items. RCX340 ▶ P.678

Note. The return-to-origin method is provided only in the sensor specifications, but not in the stroke end specifications.

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		435 mm	275 mm	200 mm	-
specifications	Rotation angle		+/-134 °	+/-152 °	-	+/-360 °
AC servo motor output			400 W	200 W	200 W	200 W
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled Timin		ng belt	
		Speed reducer to output	Direct-coupled			Timing belt
Repeatability Note 1			+/-0.02 mm		+/-0.01 mm	+/-0.01 °
Maximum speed			9.5 m/sec		2 m/sec	2600 °/sec
Maximum payload			10 kg (Standard specification, Option specifications Note 4), 9 kg (Option specifications Note 5)			
Standard cycle time: with 2kg payload Note 2			0.42 sec			
R-axis tolerable moment of inertia Note 3			0.3 kgm²			
User wiring			0.2 sq × 20 wires			
User tubing (Outer diameter)			ф 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			26 kg			

■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace Remote command / RCX340 1700 Operation using RS-232C communication

Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of 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/

- 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 offset amount for R-axis moment of inertia settings.

 Note 4. Maximum payload of the standard or option specifications (brake release switch type, user wiring/tubing through cap type) is 10 kg.

 Note 5. Maximum payload of the option specifications (tool flange mount type, user wiring/tubing through shaft type) is 9 kg.

