YK400XR

Standard type: Small type

LOW COST HIGH PERFORMANCE MODEL

Arm length 400mm　Maximum payload 3kg

Ordering method

YK400XR -	[ ]	- 150 -	[ ]	[ ]	- RCX340-4 -	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Model	Return-to-origin method	Z axis stroke	Hollow shaft	Cable	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute battery
	S: Sensor T: Stroke end		No entry: None S: With hollow shaft	3L: 3.5m 5L: 5m 10L: 10m								4: 4 pcs. 3: 3 pcs. 2: 2 pcs. 1: 1 pc. 0: 0 pc.

Specify various controller setting items. RCX340 ▶ P.544

Specifications

			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length		225 mm	175 mm	150 mm	-
	Rotation angle		+/-132 °	+/-150 °	-	+/-360 °
AC servo motor output			200 W	100 W	100 W	100 W
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Belt speed reduction
	Transmission method	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			3 kg (Standard specification), 2 kg (Option specifications Note 4)			
Standard cycle time: with 2kg payload Note 2			0.45 sec			
R-axis tolerable moment of inertia Note 3			0.05 kgm^2 (0.5 kgfcms^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,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			17 kg			

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. It is necessary to input the moment of inertia in the actual operating environment.
Note 4. Maximum payload of option specifications (with user wiring/tubing through spline type) is 2kg.

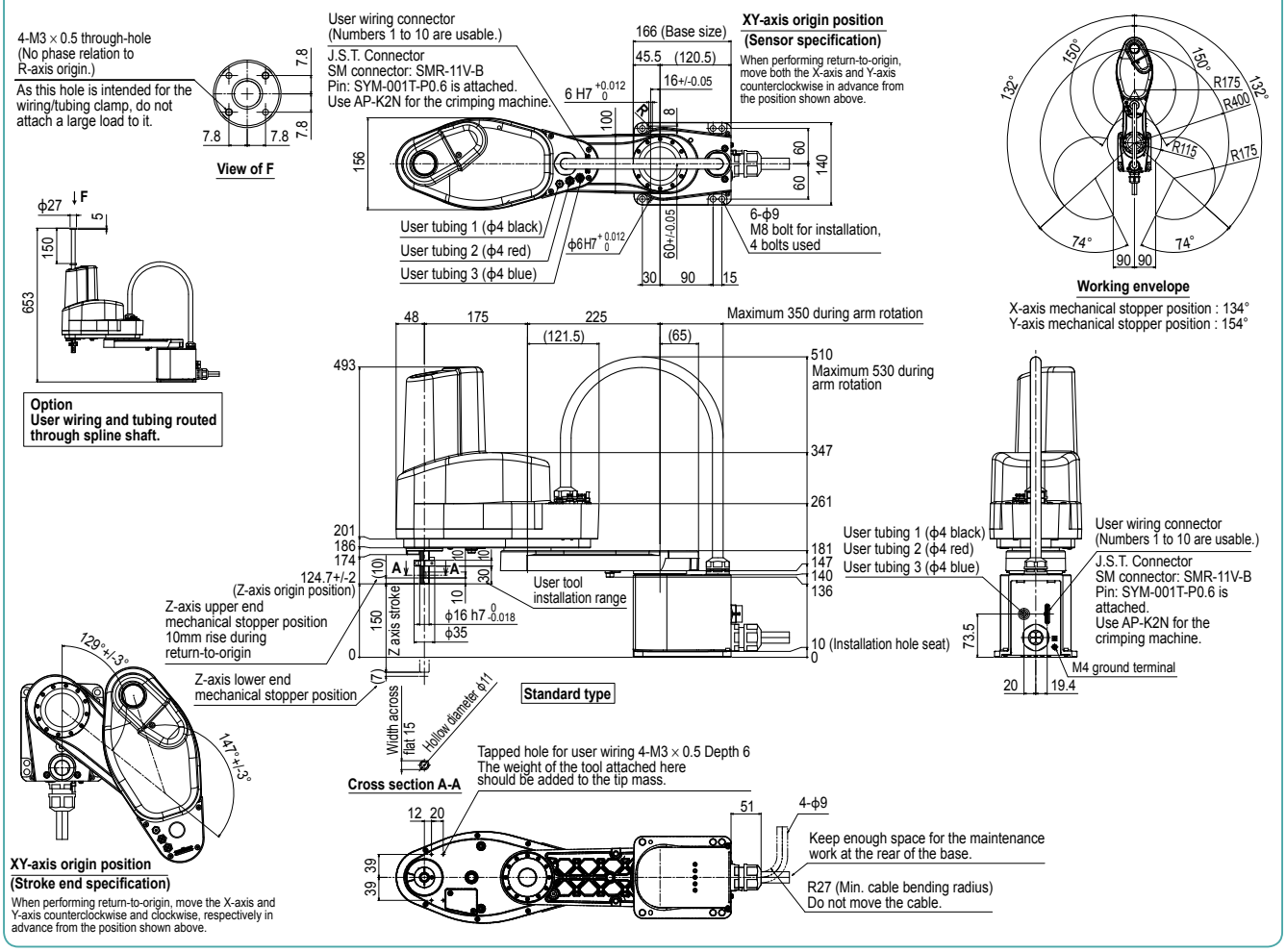
Controller

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

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.
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:
http://global.yamaha-motor.com/business/robot/

YK400XR



Controller RCX340 ▶ 544