BB



Arm length 400mm Maximum payload 5kg

■ Ordering method

YK400XG - 150

Tool flange - Hollow shaft No entry: None
F: With tool flange

No entry: None
S: With hollow shaft

RCX340-4 Specify various controller setting items. RCX340 ▶ P.508

RCX240S - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		250 mm	150 mm	150 mm	-
specifications	Rotation angle		+/-140 °	+/-144 °	-	+/-360 °
AC servo motor output		200 W	150 W	50 W	100 W	
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission method	Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability Note 1		+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed		6.1 n	n/sec	1.1 m/sec	1020 °/sec	
Maximum payload		5 kg (Standard specification), 4 kg (Option specifications Note 4)				
Standard cycle time: with 2kg payload Note 2			0.49 sec			
R-axis tolerable moment of inertia Note 3			0.05 kgm² (0.5 kgfcms²)			
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		19.5 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.
Note 3. There are limits to acceleration coefficient settings. See P.538.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

	o o i i di o i o i					
Controller	Power capacity (VA)	Operation method				
RCX340 RCX240S	1000	Programming / I/O point trace / 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 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

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/





