

Orbit type

Arm length 500mm
Maximum payload 5kg

■ Ordering method

YK500TW- 130

Tool flange - Hollow shaft

RCX340-4

RCX240

Specify various controller setting items. RCX340 ▶ P.508

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

BB

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

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		250 mm	250 mm	130 mm	-
specifications	Rotation angle		+/-225 °	+/-225 °	-	+/-720 °
AC servo motor output			750 W	400 W	200 W	105 W
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Belt speed reduction
Deceleration mechanism	Transmission method	Motor to speed reducer	Timing belt	Direct-coupled	Timing belt	Timing belt
		Speed reducer to output	Direct-coupled		Tilling belt	
Repeatability Note 1			+/-0.015 mm		+/-0.01 mm	+/-0.01 °
Maximum speed			6.8 m/sec		1.5 m/sec	3000 °/sec
Maximum payload Note 2			5 kg (RCX340), 4 kg (RCX240)			
Standard cycle time: with 1kg payload Note 3			0.29 sec			
R-axis tolerable moment of inertia Note 4		Rated	0.005 kgm²			
		Maximum	0.05 kgm²			
User wiring			0.15 sq × 8 wires			
User tubing (Outer diameter)			ф 6 × 2			
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			27 kg			

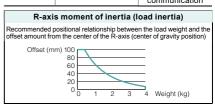
Note 1. This is the value at a constant ambient temperature.

Note 2. For the option specifications (tool flange mount type), the maximum payload becomes 4 kg (RCX340) or 3 kg (RCX240).

Note 3. When moving a 1 kg load back and forth 300 mm horizontally and 25 mm vertically (rough positioning arch motion).

Note 4. Limits must be placed on parameters such as acceleration according to the moment of inertia being used. See P.536.

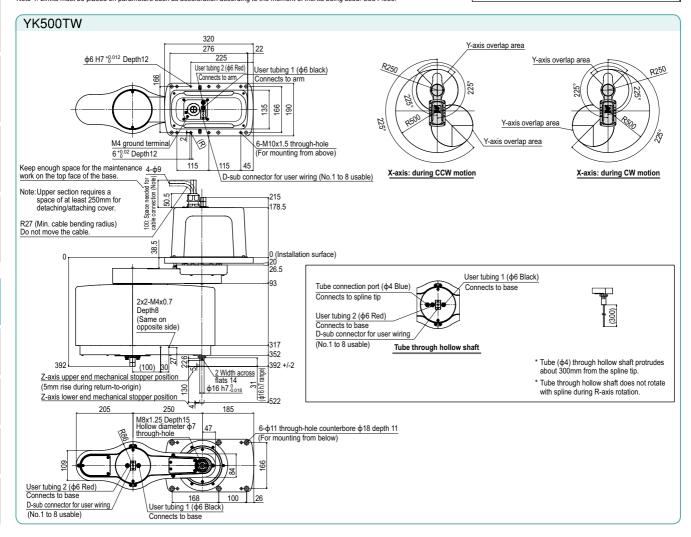
## ■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication



Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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/



Dust-proof & drip-proof

