

Standard type: Medium type

Arm length 500mm
Maximum payload 5kg

■ Ordering method

YK500XGL-150

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

RCX340-4

■ Controller

RCX340

RCX240S

Programming / I/O point trace

Remote command /

Operation using RS-232C communication

Specify various controller setting items. RCX340 ▶ P.508

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

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	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
		Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum speed			5.1 m/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			0.59 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)			ф 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			21 kg			

Controller Power capacity (VA) Operation method

1000

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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/

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.



