

Dust-proof & drip-proof type

Arm length 600mm
Maximum payload 8kg

■ Ordering method



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

			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		300 mm	300 mm	200 mm 300 mm	-
specifications	Rotation angle		+/-130 °	+/-145 °	-	+/-360 °
AC servo motor output			400 W	200 W	200 W	200 W
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission	Motor to speed reducer	Direct-coupled			
	method	Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.0	1 mm	+/-0.01 mm	+/-0.004 °
Maximum speed			8.4 n	n/sec	2.3 m/sec 1.7 m/sec	1700 °/sec
Maximum payload			8 kg			
Standard cycle time: with 2kg payload Note 2			0.56 sec			
R-axis tolerable moment of inertia Note 3			0.3 kgm <sup>2</sup>			
Protection class Note 4			Equivalent to IP65 (IEC 60529)			
User wiring (sq × wires)			0.2 × 20			
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			Z axis 200 mm: 33 kg Z axis 300 mm: 34 kg			

Controller							
Controller	Power capacity (VA)	Operation method					
RCX340 RCX240-R3	1700	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.

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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 information.

To set the standard coordinates with high accuracy, use a standard expedience setting line (exiting). Pefor to the pupping

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 25mm in vertical direction and 300mm in horizontal direction (rough-positioning arch motion).
Note 3. There are limits to acceleration coefficient settings. See P.539.
Note 4. Do not use robots where the bellows section is directly exposed to water jet. Contact our distributor for information on drip-proof structure preventing liquid other than water.

