

Standard type: Medium type

- Arm length 600mm
- Maximum payload 10kg



Ordering method

YK600XG

Model	Z axis stroke	Tool flange	Cable
	200: 200mm	No entry: None	3L: 3.5m
	300: 300mm	F: With tool flange	5L: 5m

RCX340-4

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
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Specify various controller setting items. RCX340 ▶ **P.502**

RCX240

Controller	CE Marking	Regenerative unit	Expansion I/O	Network option	iVY System	Gripper	Battery
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Specify various controller setting items. RCX240/RCX240S ▶ P.489

■ Specifications

			X-axis	Y-axis	Z-axis		R-axis
Axis specifications	Arm length (mm)		300	300	200	300	–
	Rotation angle (°)		+/-130	+/-145	–		+/-360
AC servo motor output (W)			400	200	200		200
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} (XYZ: mm) (R: °)			+/-0.01		+/-0.01		+/-0.004
Maximum speed (XYZ: m/sec) (R: °/sec)			8.4		2.3	1.7	1700
Maximum payload (kg)			10				
Standard cycle time: with 2kg payload ^{Note 2} (sec)			0.46				
R-axis tolerable moment of inertia ^{Note 3} (kgm ²)			0.30				
User wiring (sq × wires)			0.2 × 20				
User tubing (Outer diameter)			φ6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length (m)			Standard: 3.5 Option: 5,10				
Weight (kg)			31				

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.531.

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.

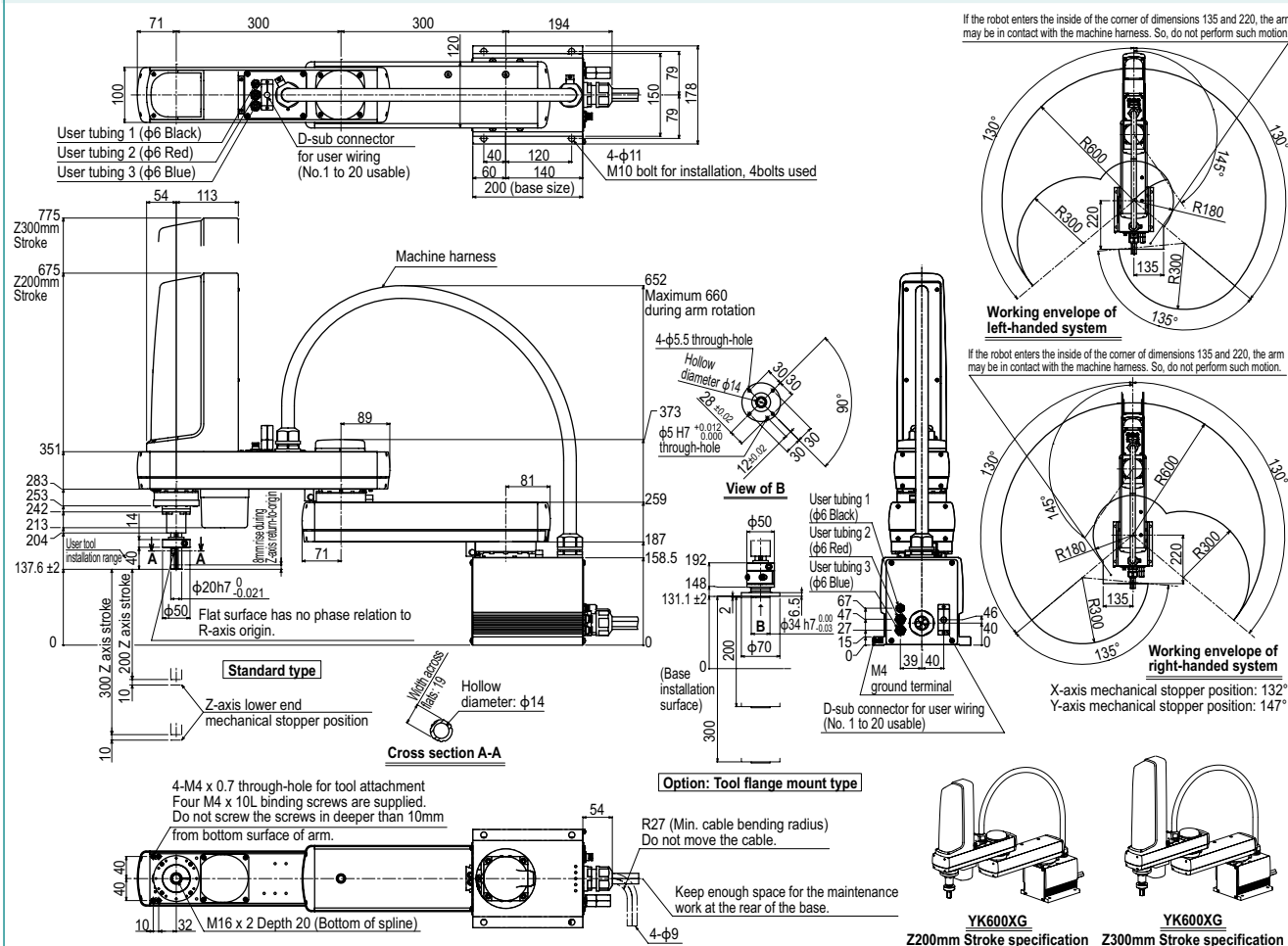
Note: The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed 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/>

YK600XG



Controller

RCX340 ▶ 502	RCX240 ▶ 489
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