Arm length 1000mm
Maximum payload 20kg ■ Ordering method YK1000XG RCX340-4 Z axis stroke Tool flange Cable Controller / Safety - Option A - Option B - Option C - Number of controllable axes standard (OP.A) (OP.B) (OP.C) 3L: 3.5m 5L: 5m 10L: 10m 200: 200mm No entry: None 400: 400mm F: With tool flange Specify various controller setting items. RCX340 ▶ **P.566**

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		600 mm	400 mm	200 mm 400 mm	-	
specifications	Rotation angle		+/-130 °	+/-150 °	-	+/-360 °	
AC servo motor output			750 W	400 W	400 W	200 W	
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled				
	method	Speed reducer to output	Direct-coupled				
Repeatability Note 1			+/-0.02 mm		+/-0.01 mm	+/-0.004 °	
Maximum speed			10.6 m/sec 2.3 m/sec 1.7 m/		2.3 m/sec 1.7 m/sec	920 °/sec	
Maximum payload			20 kg (Standard type), 19 kg (Tool flange mount type)				
Standard cycle time: with 2kg payload Note 2			0.49 sec				
R-axis tolerable moment of inertia Note 3			1.0 kgm ²				
User wiring			0.2 sq × 20 wires				
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: 56 kg Z axis 400 mm: 58 kg				

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

■ Controller

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 https://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. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.

YK1000XG		
User tubing 1 (\$\phi\$ Black) User tubing 3 (\$\phi\$ 6 Blue)	220 September 220 4-614 75 170 245 (base size) 4-66 through-hole diameter \$\phi_{18}\$ through-hole dia	Working envelope of left-handed system
Z200mm Stroke Ball screw greasing hole 86 98 440 388 333.5 278 273 208.7+/-2 9 201	## 10 ## 10	User tubing 2 (66 Red) User tubing 3 (66 Blue) Working envelope of right-handed system X-axis mechanical stopper position: 132° Y-axis mechanical stopper position: 152°
Z-axis lower end mechanical stopper position Standard type	Hollow diameter: \$\phi 18\$ Option: Tool flange mount type M4 ground to 25 46 R27 (Min. cable bending radius) Do not move the cable. Reep enough space for the maintenance work at the rear of the base.	user wiring (No.1 to 20 usable)

