

Standard type: Medium type

● LOW COST HIGH PERFORMANCE MODEL

● Arm length 610mm

- Maximum payload 10kg



Ordering method

YE 10 - 61 Z20- A

Model	Maximum payload	Arm length	Z axis stroke	Version	Return-to- origin method	Tool flange	Hollow shaft/ Hollow cap	Brake release switch	Cable	Controller / Number of controllable axe	Safety standard	Option A to E (OPA to E)
					S : Sensor T : Stroke end	No entry: None F: With tool flange	No entry: None S : With hollow shaft C : With hollow cap	No entry: None B : With brake release switch	3L : 3.5m 5L : 5m 10L : 10m			

■ Specifications

			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length		335 mm	275 mm	200 mm	-
	Rotation angle		+/-134 °	+/-152 °	-	+/-360 °
AC servo motor output			400 W	200 W	200 W	200 W
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled		Timing belt	
		Speed reducer to output	Direct-coupled			Timing belt
Repeatability	^{Note 1}		+/-0.01 mm		+/-0.01 mm	+/-0.01 °
Maximum speed			8.6 m/sec		2 m/sec	2600 °/sec
Maximum payload			10 kg (Standard specification, Option specifications ^{Note 4}), 9 kg (Option specifications ^{Note 5})			
Standard cycle time: with 2kg payload ^{Note 2}			0.38 sec			
R-axis tolerable moment of inertia ^{Note 3}			0.3 kgm ²			
User wiring			0.2 sq × 20 wires			
User tubing (Outer diameter)			φ 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			23 kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

Note 2. When reciprocating 300mm horizontally and 25mm vertically while conveying 2 kg with rough positioning in an arch motion.

Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and offset amount for R-axis moment of inertia settings.

Note 4. Standard specification and optional specifications (brake release switch specification and user wiring/piping through-cap specification).

Note 5. Optional specification (tool flange and user wiring/piping through-shaft specification).

■ **Controller**

Controller	Power capacity (VA)	Operation method
RCX440	1700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. The movement range can be restricted by adding the X- and Y-axis mechanical stoppers. (The maximum movement range was set at 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/>

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