

# YK400XGS

Wall mount / inverse type

● Arm length 400mm ● Maximum payload 5kg Note. Built-to-order product. Contact us for the delivery period.

## Ordering method

<b>YK400XGS</b>		<b>150</b>				<b>RCX340-4</b>								
<b>Model</b>	<b>Installation method</b> <sup>Note 1</sup>	<b>Z axis stroke</b>	<b>Tool flange</b>	<b>Hollow shaft</b>	<b>Cable</b>	<b>Controller / Number of controllable axes</b>	<b>Safety standard</b>	<b>Option A (OP.A)</b>	<b>Option B (OP.B)</b>	<b>Option C (OP.C)</b>	<b>Option D (OP.D)</b>	<b>Option E (OP.E)</b>	<b>Absolute battery</b>	
	W: Wall mount (same as per external view) U: Inverse wall mount (upside down)	150: 150mm	No entry: None F: With tool flange	No entry: None S: With hollow shaft	3L: 3.5m 5L: 5m 10L: 10m									

**Specify various controller setting items. RCX340 ▶ P.678**

Note 1. When installing the robot, always follow the specifications.  
Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling.  
Incorrect installation can cause trouble or malfunction.

## Specifications

Axis specifications	Arm length	X-axis	Y-axis	Z-axis	R-axis
	Rotation angle	250 mm	150 mm	150 mm	-
	AC servo motor output	+/-125 °	+/-144 °	-	+/-360 °
	Deceleration mechanism	200 W	150 W	50 W	100 W
	Transmission method	Direct-coupled			
	Motor to speed reducer	Direct-coupled			
	Speed reducer to output	Direct-coupled			
	Repeatability <sup>Note 1</sup>	+/-0.01 mm	+/-0.01 mm	+/-0.004 °	
	Maximum speed	6.1 m/sec	1.1 m/sec	1020 °/sec (wall mount) 720 °/sec (inverse wall mount)	
	Maximum payload	5 kg (Standard specification), 4 kg (Option specifications <sup>Note 4</sup> )			
	Standard cycle time: with 2kg payload <sup>Note 2</sup>	0.49 sec			
	R-axis tolerable moment of inertia <sup>Note 3</sup>	0.05 kgm <sup>2</sup>			
	User wiring	0.2 sq x 10 wires			
	User tubing (Outer diameter)	φ 4 x 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	20 kg			

Note 1. This is the value at a constant ambient temperature.  
Note 2. When reciprocating 25mm horizontally and 300mm horizontally (with a 2kg payload in rough-positioning arch motion).  
Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.  
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

## Controller

Controller	Power capacity (VA)	Operation method
RCX340	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. The movement range can be limited by changing the position of Y axis mechanical stopper. (The movement range is set to the maximum at the time of shipment.)  
See our robot manuals (installation manuals) for detailed information.

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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