

# YK350XH

Standard type: Small type

● Arm length 350mm

● Maximum payload 3kg



## Ordering method

YK350XH - 150			RCX240				BB
<b>Model</b>	<b>Z axis stroke</b>	<b>Cable length</b>	<b>Controller</b>	<b>Usable for CE</b>	<b>Expansion I/O</b> <small>Note 2</small>	<b>Network option</b>	<b>Battery</b>
	150: 150mm (MAX: 300mm)	3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72	No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link	BB: 4 pcs

Note 1. The products with Z axis stroke of 200 mm or more are built to the order. Contact us for delivery, specifications, external appearance, etc.  
 Note 2. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.  
 Note 3. Available only for the master.

## Specifications

		X-axis	Y-axis	Z-axis	R-axis
<b>Axis specifications</b>	Arm length (mm)	225	125	150	-
	Rotation angle (°)	+/-115	+/-140	-	+/-360
<b>AC servo motor output (W)</b>		200	100	100	100
<b>Deceleration mechanism</b>	<b>Speed reducer</b>	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	<b>Transmission method</b>	Motor to speed reducer	Direct-coupled		Timing belt transmission
		Speed reducer to output	Direct-coupled	Direct-coupled	Direct-coupled
<b>Repeatability</b> <small>Note 1</small> (XYZ: mm) (R: °)		+/-0.01		+/-0.01	+/-0.005
<b>Maximum speed</b> (XYZ: m/sec) (R: °/sec)		5.0		1.0	1020
<b>Maximum payload (kg)</b>		3			
<b>Standard cycle time: with 2kg payload</b> <small>Note 2</small> (sec)		0.54			
<b>R-axis tolerable moment of inertia</b> <small>Note 3</small> (kgm <sup>2</sup> )		0.05			
<b>User wiring (sq x wires)</b>		0.2 x 10			
<b>User tubing (Outer diameter)</b>		φ4 x 3			
<b>Travel limit</b>		1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
<b>Robot cable length (m)</b>		Standard: 3.5 Option: 5,10			
<b>Weight (kg) (Excluding robot cable)</b>		15			

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.

## Controller

Controller	Power capacity (VA)	Operation method
RCX240	1000	Programming / I/O point trace (BCD) / Remote command / Operation using RS-232C communication

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