

# YK500·600XP

Dust-proof & drip proof Type

Arm length 500·600mm/Maximum payload 10kg

## Robot ordering method

**YK500XP - 200 - 3L - 600**  
Model

Z axis stroke

200:200mm  
300:300mm

Cable length

3L:3.5m  
5L:5m  
10L:10m

**RCX142 - E - R - N1 - CC - S**

Controller

CE

Regenerative control:RGU2

Expansion I/O

Network

Battery

Blank:Standard  
E:CE specification

Controller type: Refer to the Controller Catalog for further details.

\* Built-to-order product. Contact us for the delivery period.

## Basic specifications

Model		YK500XP	YK600XP
Axis specifications	X axis	Arm length	250mm
		Rotation range	± 120°
	Y axis	Arm length	250mm
		Rotation range	± 145°
	Z axis	Stroke	200mm, 300mm
R axis	Rotation range	± 180°	
Motor	X axis	400W	
	Y axis	200W	
	Z axis	200W	
	R axis	100W	
Maximum speed	X, Y combined	4.9m / s	5.6m / s
	Z axis	1.7m / s	
	R axis	876° / s	
Repeatability*1	X, Y axis	± 0.02mm	
	Z axis	± 0.01mm	
	R axis	± 0.005°	
	Max. payload	10kg	
Standard cycle time (with 2kg payload)		0.53 sec.	0.56 sec.
R axis allowable moment inertia*2		0.118kgm <sup>2</sup> (1.2kgfcm <sup>2</sup> )	
User wiring		0.2sq × 20 wires	
User tubing		ø6 × 3	
Movement limit setting		1. Soft limit, 2. Mechanical limit (X, Y, Z axes)	
Robot cable		Standard 3.5m Option: 5m, 10m	
Controller, Power supply capacity		RCX142-R, 1500VA	
Weight		30kg	32kg

\*1: This is the value at a constant ambient temperature. (X, Y, Z axes)

\*2: There are limits to the setting of the acceleration coefficient.



YK500XP

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