

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 page 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 ² (1.2kgfcm ²)	
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

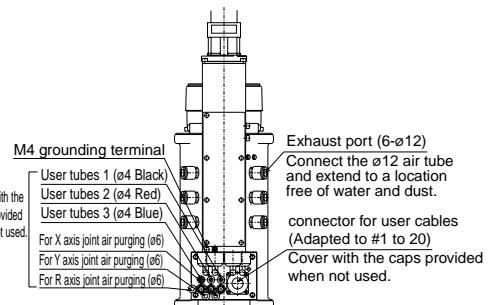
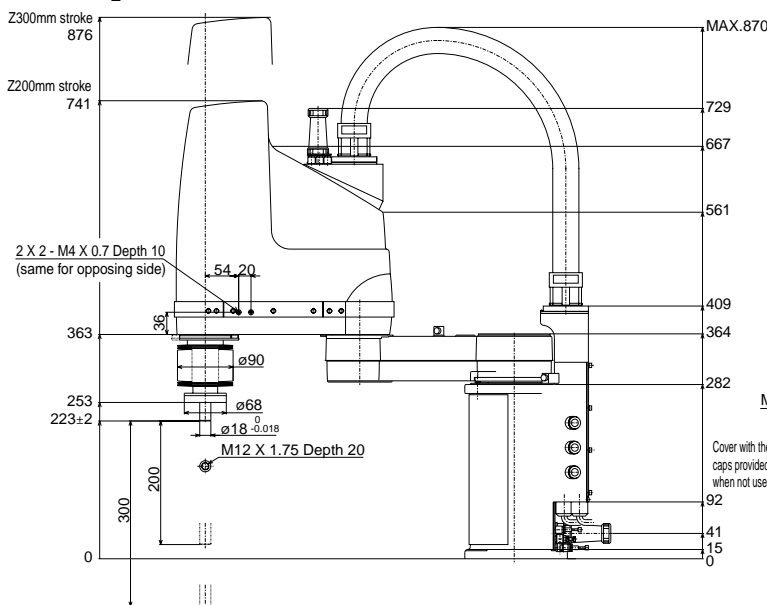
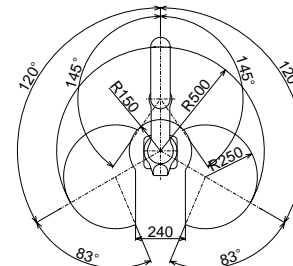
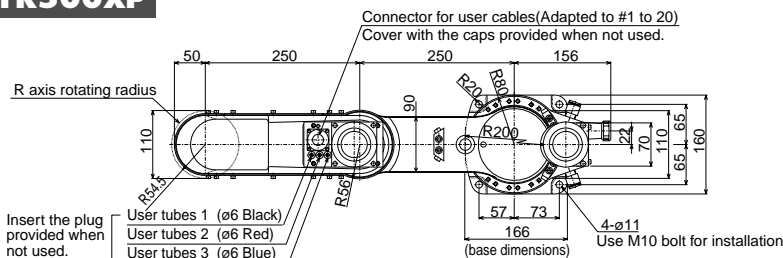
*1: This is the value at a constant ambient temperature. (X, Y, Z axes)

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



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