

YK500XG

Standard Type

Arm length 500mm/Maximum payload 10kg

Robot ordering method

YK500XG - 200 - 3L -		RCX142 - E - R3 - N1 - CC - S			
Model	Z axis stroke	Cable length	Controller	CE	Regenerative control RGU3
	200:200mm 300:300mm	3L:3.5m 5L:5m 10L:10m		Blank/Standard E.CE specification	Expansion I/O
					Network
					Battery

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

Basic specifications

Model		YK500XG	
Axis specifications	X axis	Arm length	200mm
		Rotation range	± 130°
	Y axis	Arm length	300mm
		Rotation range	± 145°
Z axis	Stroke	200mm, 300mm	
R axis	Rotation range	± 360°	
Motor	X axis	400W	
	Y axis	200W	
	Z axis	200W	
	R axis	200W	
Maximum speed	X, Y combined	7.6m / s	
	Z axis	2.3m / s	
	R axis	1700° / s	
Repeatability*1	X, Y axis	± 0.01mm	
	Z axis	± 0.01mm	
	R axis	± 0.005°	
Max. payload		10kg	
Standard cycle time (with 2kg payload)*2		0.45 sec	
R axis allowable moment inertia*3		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-R3*4, 1700VA	
Weight		30kg	



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*1: This is the value at a constant ambient temperature. (X, Y axes)
 *2: When reciprocating 300mm in horizontal and 25mm in vertical directions.
 *3: There are limits to the setting of the acceleration coefficient. *4: The regeneration unit RGU3 is required.

