YK500XG

Standard type: Medium type

Arm length 500mm **Maximum payload 10kg**

Ordering method

YK500XG - [ ] - [ ] - RCX240 - [ ] - R3 - [ ] - [ ] - BB

Model	Z axis stroke	Cable length	Controller	Usable for CE	Regenerative unit	Expansion I/O Note 1	Network option	Battery
	200: 200mm 300: 300mm	3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	R3: RGU-3	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

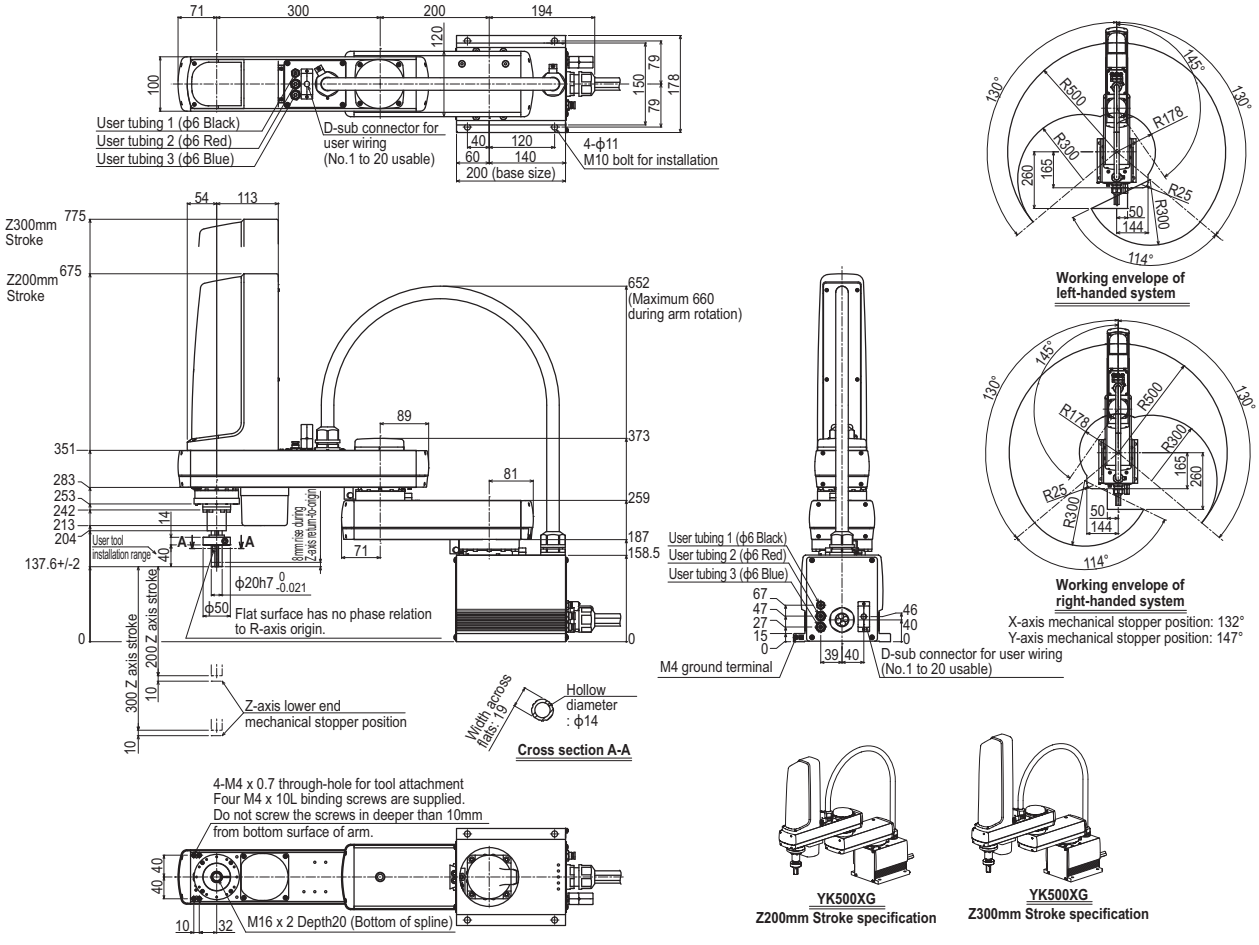
Note 1. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.
Note 2. Available only for the master.

Specifications

			X-axis	Y-axis	Z-axis		R-axis
Axis specifications	Arm length (mm)		200	300	200	300	–
	Rotation angle (°)		+/-130	+/-145	–		+/-360
AC servo motor output (W)			400	200	200		200
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw		Harmonic drive
	Transmission method	Motor to speed reducer	Direct-coupled				
		Speed reducer to output	Direct-coupled				
Repeatability Note 1 (XYZ: mm) (R: °)			+/-0.01		+/-0.01		+/-0.004
Maximum speed (XYZ: m/sec) (R: °/sec)			7.6		2.3	1.7	1700
Maximum payload (kg)			10				
Standard cycle time: with 2kg payload Note 2 (sec)			0.45				
R-axis tolerable moment of inertia Note 3 (kgm^2)			0.30				
User wiring (sq × wires)			0.2 × 20				
User tubing (Outer diameter)			φ6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable length (m)			Standard: 3.5 Option: 5,10				
Weight (kg) (Excluding robot cable)			30				

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-R3	1700	Programming / I/O point trace (BCD) / Remote command / Operation using RS-232C communication

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