

YK600XG

Standard type: Medium type

● Arm length 600mm

● Maximum payload 10kg



Ordering method

YK600XG			RCX240		R3			BB
Model	Z axis stroke	Cable length	Controller	Usable for CE	Regenerative unit	Expansion I/O <small>Note 1</small>	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

Axis specifications	X-axis		Y-axis		Z-axis		R-axis
	Arm length (mm)	300	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	Direct-coupled					
	Motor to speed reducer	Direct-coupled					
	Speed reducer to output	Direct-coupled					
Repeatability <small>Note 1</small> (XYZ: mm) (R: °)	+/-0.01		+/-0.01		+/-0.004		
Maximum speed (XYZ: m/sec) (R: °/sec)	8.4		2.3		1.7		1700
Maximum payload (kg)	10						
Standard cycle time: with 2kg payload <small>Note 2</small> (sec)	0.46						
R-axis tolerable moment of inertia <small>Note 3</small> (kgm ²)	0.30						
User wiring (sq x wires)	0.2 x 20						
User tubing (Outer diameter)	φ6 x 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)	31						

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

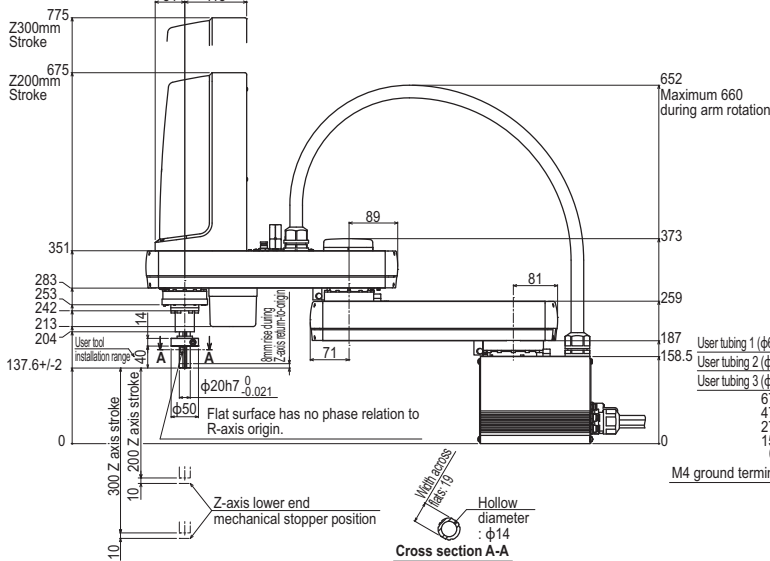
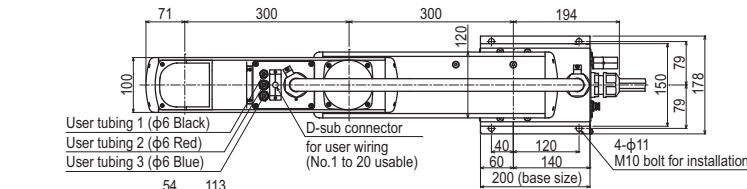
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.

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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4-M4 x 0.7 through-hole for tool attachment
Four M4 x 10L binding screws are supplied.
Do not screw the screws in deeper than 10mm from bottom surface of arm.

