

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 marking	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	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 <small>Note 2</small>	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

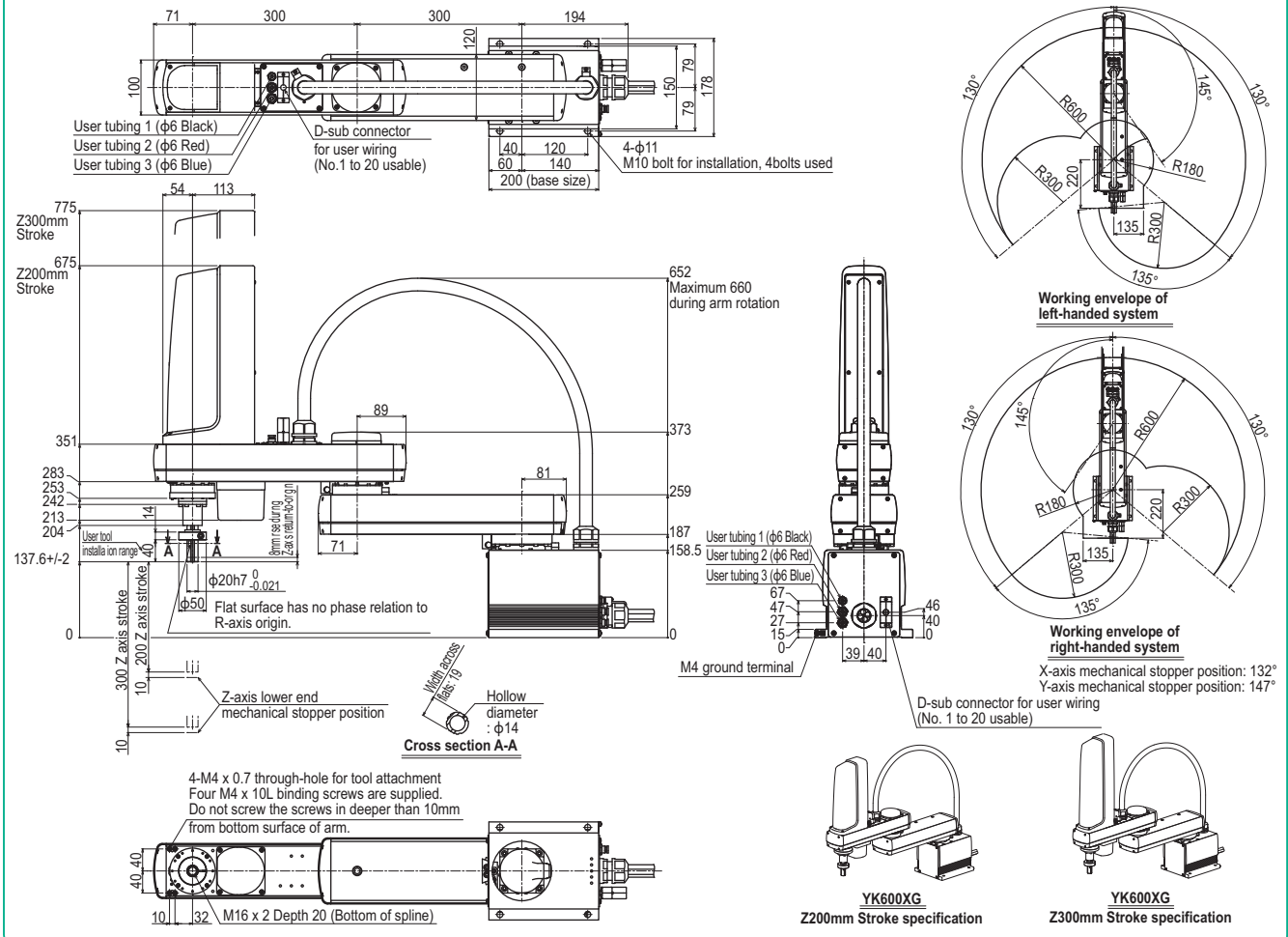
		X-axis	Y-axis	Z-axis		R-axis
Axis specifications	Arm length (mm)	300	300	200	300	-
	Rotation angle (°)	+/-130	+/-145	-	-	+/-360
AC servo motor output (W)		400	200	200	200	200
Deceleration mechanism	Speed reducer	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
	Transmission method	Direct-coupled				
	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 × 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)		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. See P.432.

Controller

Controller	Power capacity (VA)	Operation method
RCX240-R3	1700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

YK600XG



Controller
RCX240 ▶ 402

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APPLICATION
Compact
single-axis robots
TRANSERVO

Single-axis robots
FLIP-X

Linear motor
single-axis robots
PHASER

Catenaion
robots
XY-X

SCARA
robots
YK-XG

Pick & place
robots
YP-X

CLEAN

CONTROLLER
INFORMATION

Tiny

Small type

Medium type

Large type

Ceiling-mount /
inverse type

Dust-proof
& drip-proof
type