YK500XC

Arm length 500mm Maximum payload 10kg

Ordering method

YK500XC – [ ] – [ ] – **RCX240** – [ ] – **R** – [ ] – [ ] – **BB**

Model	Z axis stroke	Cable length	Controller	Usable for CE	Regenerative unit	Expansion I/O Note 1	Network optuon	Battery
	200: 200mm 300: 300mm	3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	R: RGU-2	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 Note 2	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.

Basic specifications

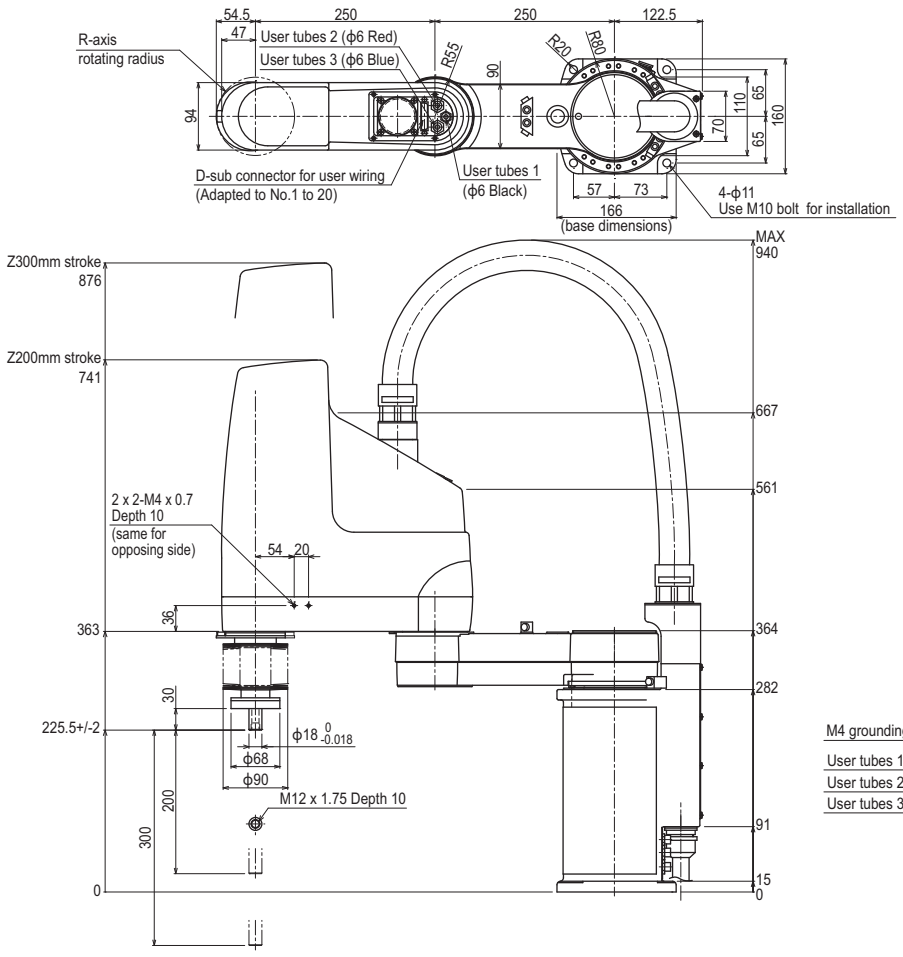
		X axis	Y axis	Z axis		R axis
Axis specifications	Arm length (mm)	250	250	200	300	–
	Rotation angle ( )	+/-120	+/-142	–		+/-360
AC servo motor output (W)		400	200	200		100
Repeatability Note 1 (XYZ mm) (R)		+/-0 02		+/-0.01		+/-0.005
Maximum speed (XYZ m/sec) (R /sec)		4 9		1.7		876
Maximum payload (kg)		10				
Standard cycle time with 2kg payload (sec)		0.53				
R-axis tolerable moment of inertia Note 2 (kgm²)		0.12				
User wiring (sq × wires)		0.2 × 20				
User tubing (Outer diameter)		ϕ6 × 3				
Travel limit		1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)				
Robot cable length (m)		Standard: 3.5 Option: 5, 10				
Weight (kg)		31				
Degree of cleanliness		CLASS 10 Note 3				
Intake air (Nℓ/min)		60 Note				

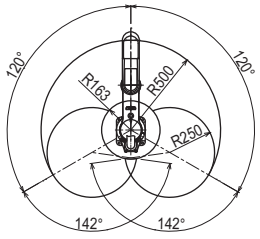
Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. There are limits to the setting of the acceleration coefficient.
Note 3. Per 1cf (0.1μm base), when suction blower is used.
Note 4. The necessary intake amount varies depending on the use conditions and environment.

Controller

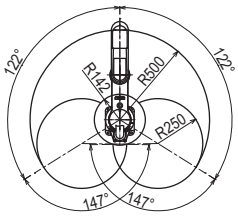
Controller	Power capacity (VA)	Operation method
RCX240-R	1500	Programming / I/O point trace / Remote command / Operation using RS-232C communication

YK500XC





Working envelope



X,Y axis mechanical stopper position