

YK800XP

Dust-proof & drip-proof type

- Arm length 800mm
- Maximum payload 20kg

Note. Built-to-order product.
Contact us for the delivery period.



Ordering method

YK800XP			RCX240		R			BB
Model	Z axis stroke	Cable length	Controller	Usable for CE	Regenerative unit	Expansion I/O	Network option	Battery
	200: 200mm 400: 400mm	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	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

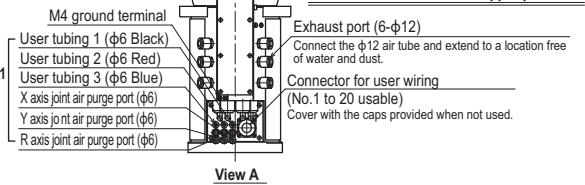
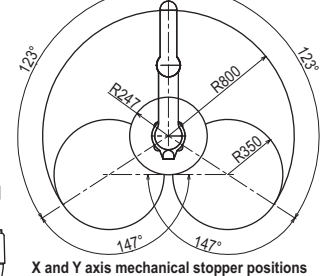
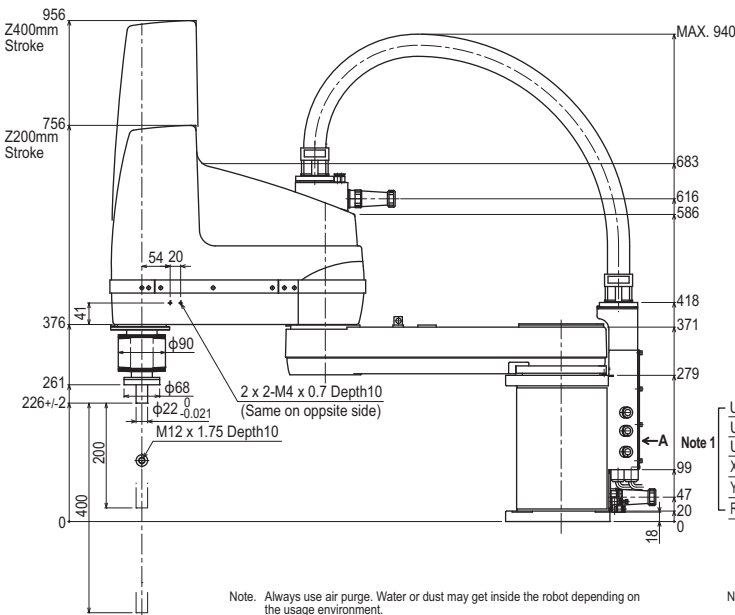
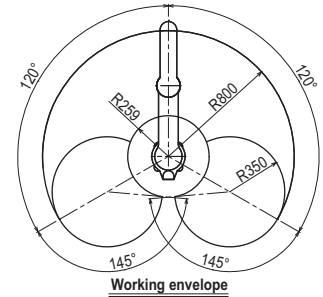
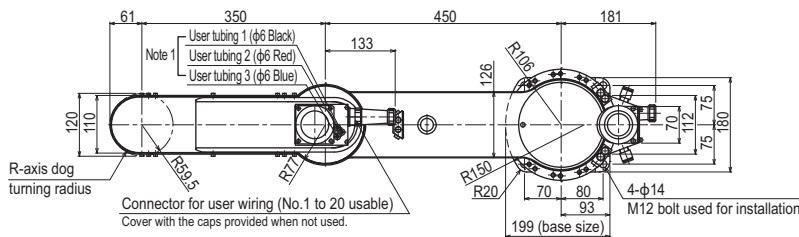
		X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length (mm)	450	350	200 400	-
	Rotation angle (°)	+/-120	+/-145	-	+/-360
AC servo motor output (W)		800	400	400	200
Deceleration mechanism	Speed reducer	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission method	Motor to speed reducer	Direct-coupled		Timing belt transmission
		Speed reducer to output	Direct-coupled		Direct-coupled
Repeatability ^{Note 1} (XYZ mm) (R °)		+/-0.02		+/-0.01	+/-0.005
Maximum speed (XYZ m/sec) (R °/sec)		7.3		1.7	600
Maximum payload (kg)		20			
Standard cycle time with 2kg payload ^{Note 2} (sec)		0.57			
R-axis tolerable moment of inertia ^{Note 3} (kgm ²)		0.32			
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)		57			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. There are limits to acceleration coefficient settings.

Controller

Controller	Power capacity (VA)	Operation method
RCX240-R	2000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

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Note. Always use air purge. Water or dust may get inside the robot depending on the usage environment.

Note 1. Insert the plug provided when not used.

APPLICATION
TRANSERVO
Compact single-axis robots

FLIP-X
Single-axis robots

PHASER
Linear motor single-axis robots

XY-X
Cartesian robots

YK-XG
SCARA robots

YP-X
Pick & place robots

CLEAN
CLEAN

CONTROLLER INFORMATION
Tiny
Small type
Medium type
Large type
Ceiling-mount / Inverse type

Dust-proof & drip-proof type