

YK400XGS

Wall-mount / inverse type

● Arm length 400mm ● Maximum payload 5kg

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

Ordering method

YK400XGS		150				RCX240S						BB
Model	Installation method ^{Note 1}	Z axis stroke	Tool flange	Hollow shaft	Cable	Controller	Usable for CE	Expansion I/O ^{Note 2}	Network option	iVY System	Gripper	Battery
	W: Wall-mount (same as per external view) U: Inverse wall-mount (upside down)	150: 150mm	No entry: None F: With tool flange	No entry: None S: With hollow shaft	3L: 3.5m 5L: 5m 10L: 10m		No entry: Standard E: CE marking	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 EP: EtherNet/IP YC: YC-Link ^{Note 3}	No entry: None VY: iVY (Vision) TR: iVY+Light +Tracking LC: iVY+Light	No entry: None GR: Gripper	BB: 4 pcs

- Note 1. When installing the robot, always follow the specifications.
Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling.
Incorrect installation can cause trouble or malfunction.
- Note 2. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.
- Note 3. Available only for the master. See P.39 for details on YC-Link system.

Specifications

		X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length (mm)	250	150	150	-
	Rotation angle (°)	+/-125	+/-144	-	+/-360
AC servo motor output (W)		200	150	50	100
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 ^{Note 1} (XYZ: mm) (R: °)		+/-0.01	+/-0.01	+/-0.01	+/-0.004
Maximum speed (XYZ: m/sec) (R: °/sec)		6.1		1.1	1020 (wall-mount) 720 (inverse wall-mount)
Maximum payload (kg)		5 (Standard specification), 4 (Option specifications ^{Note 4})			
Standard cycle time: with 2kg payload ^{Note 2} (sec)		0.49			
R-axis tolerable moment of inertia ^{Note 3} (kgm ²)		0.05			
User wiring (sq × wires)		0.2 × 10			
User tubing (Outer diameter)		φ4 × 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)		20			

- Note 1. This is the value at a constant ambient temperature.
- Note 2. When reciprocating 25mm horizontally and 300mm horizontally (with a 2kg payload in rough-positioning arch motion).
- Note 3. There are limits to acceleration coefficient settings. See P.478.
- Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

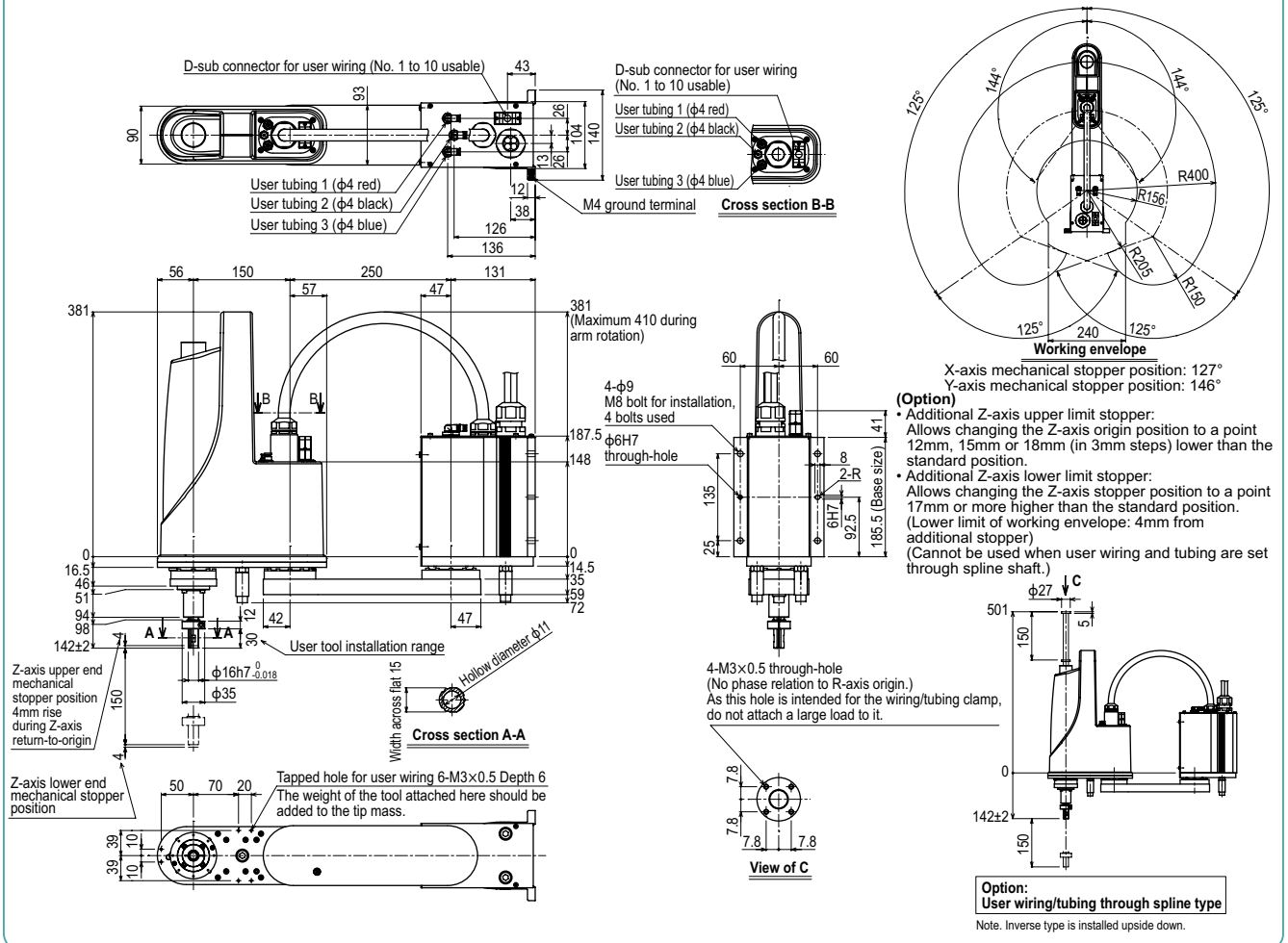
Controller

Controller	Power capacity (VA)	Operation method
RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)
See our robot manuals (installation manuals) for detailed information.

Our robot manuals (installation manuals) can be downloaded from our website at the address below:
<http://www.yamaha-motor.co.jp/global/industrial/robot/>

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YK400XGS Tool flange mount type

