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** – [ ] – [ ] – [ ] – **RCX340-4** – [ ] – [ ] – [ ] – [ ] – [ ] – [ ] – [ ] – [ ]

Model	Installation method Note1	Z axis stroke	Tool flange	Hollow shaft	Cable	Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute 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								

Specify various controller setting items. RCX340 ▶ P.502

RCX240S – [ ] – [ ] – [ ] – [ ] – [ ] – **BB**

Controller	CE Marking	Expansion I/O	Network option	iVY System	Gripper	Battery
						BB: Battery

Specify various controller setting items. RCX240/RCX240S ▶ P.489

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.

Specifications

			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length (mm)		250	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	Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability Note 1 (XYZ: mm) (R: °)			+/-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 (kgm²)			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.530.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

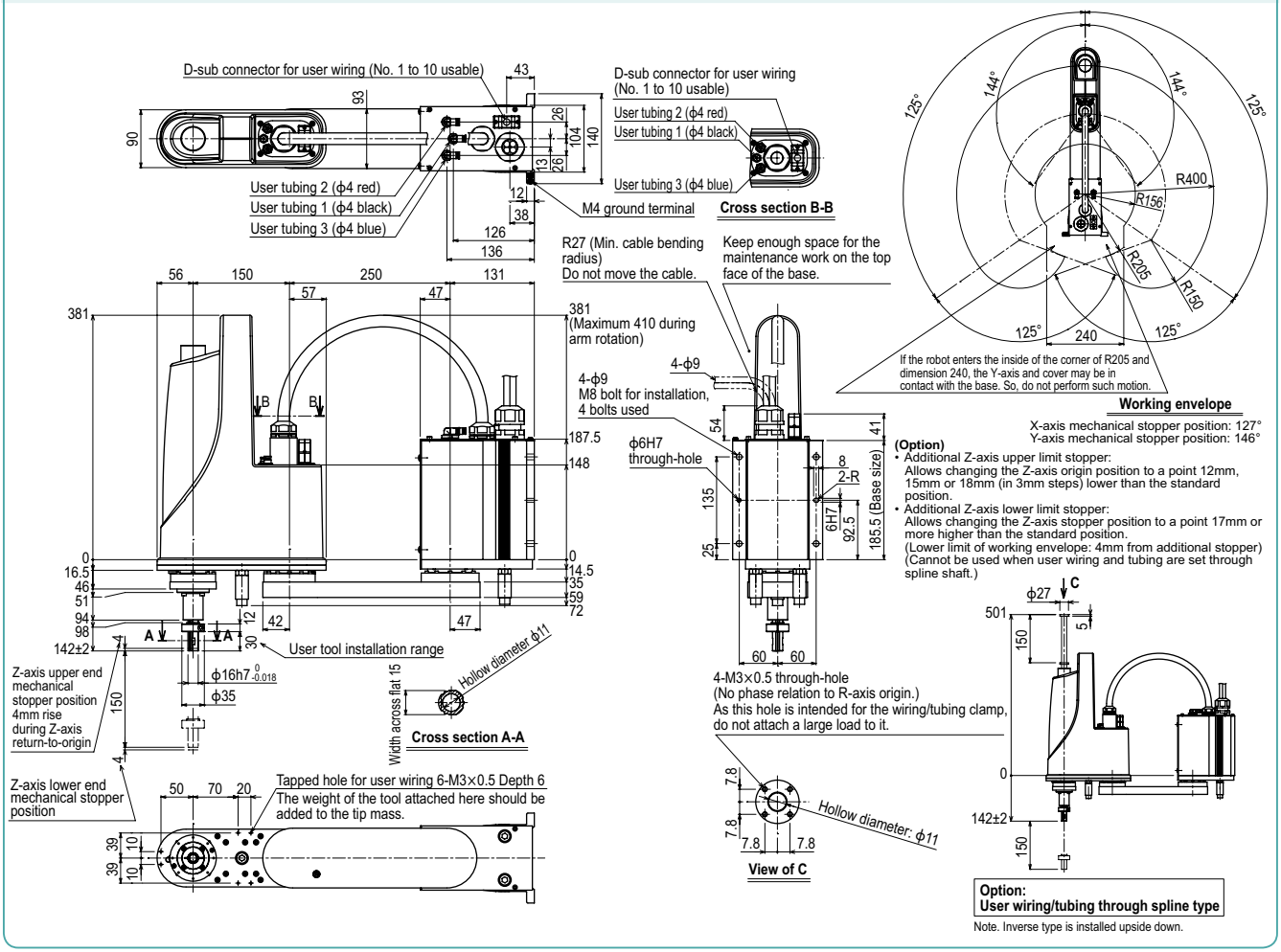
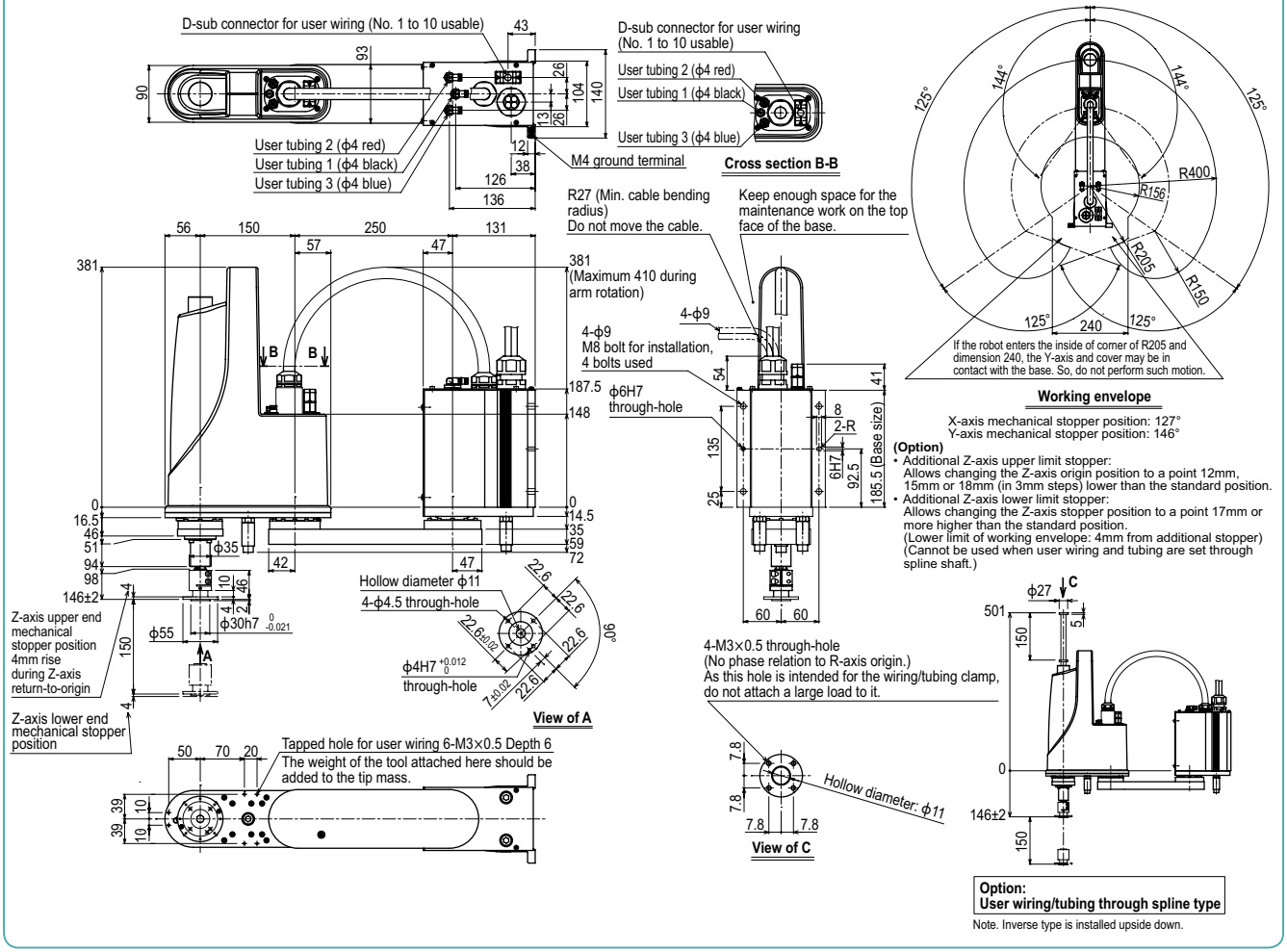
Controller

Controller	Power capacity (VA)	Operation method
RCX340 RCX240S	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.
Note. The movement range can be limited by changing the position of Y axis mechanical stopper. (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://global.yamaha-motor.com/business/robot/

YK400XGS



YK400XGS Tool flange mount type