

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** **RCX240S** **BB**

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.508

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Controller - **CE Marking** - **Expansion I/O** - **Network option** - **IVY System** - **Gripper** - **Battery**

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	250 mm	150 mm	150 mm	-
Arm length	250 mm			
Rotation angle	+/-125 °	+/-144 °	-	+/-360 °
AC servo motor output	200 W	150 W	50 W	100 W
Speed reducer	Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
Deceleration mechanism	Direct-coupled			
Transmission method	Direct-coupled			
Motor to speed reducer	Direct-coupled			
Speed reducer to output	Direct-coupled			
Repeatability ^{Note 1}	+/-0.01 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed	6.1 m/sec	1.1 m/sec	1020 °/sec (wall-mount) 720 °/sec (inverse wall-mount)	
Maximum payload	5 kg (Standard specification), 4 kg (Option specifications ^{Note 4})			
Standard cycle time: with 2kg payload ^{Note 2}	0.49 sec			
R-axis tolerable moment of inertia ^{Note 3}	0.05 kgm ²			
User wiring	0.2 sq × 10 wires			
User tubing (Outer diameter)	φ 4 × 3			
Travel limit	1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length	Standard: 3.5 m Option: 5 m, 10 m			
Weight	20 kg			

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.538.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

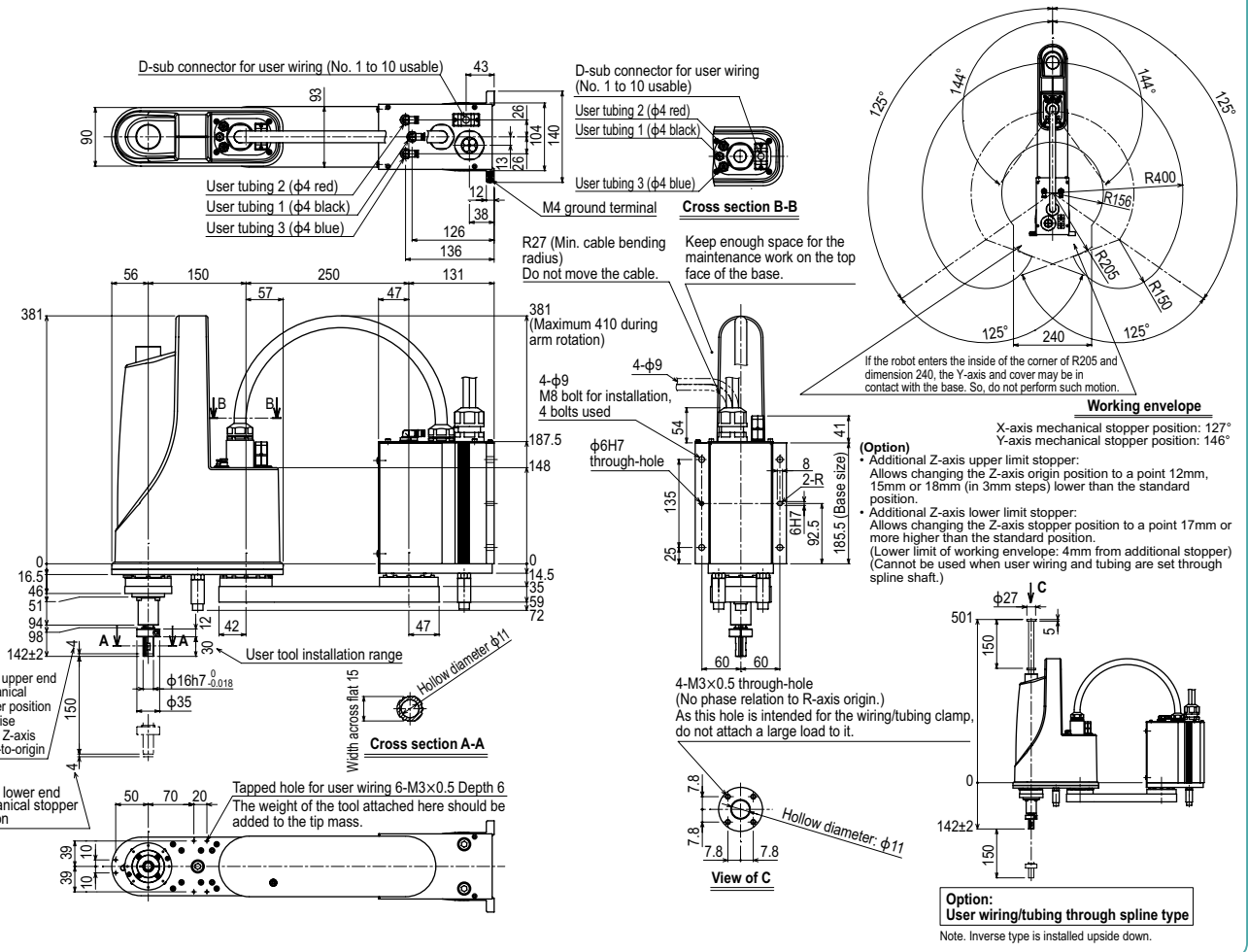
Controller

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/>

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YK400XGS Tool flange mount type

