

YK300XGS

Wall mount / inverse type

● Arm length 300mm ● Maximum payload 5kg Note. Built-to-order product. Contact us for the delivery period.

Ordering method

YK300XGS **150** **RCX340-4**

Model	Installation method W: Wall mount (same as per external view) U: Inverse wall mount (upside down)	Z axis stroke 150: 150mm	Tool flange No entry: None F: With tool flange	Hollow shaft No entry: None S: With hollow shaft	Cable 3L: 3.5m 5L: 5m 10L: 10m	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
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Specify various controller setting items. RCX340 ▶ **P.566**

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	150 mm	150 mm	150 mm	-
Rotation angle	+/-120 °	+/-130 °	-	+/-360 °
AC servo motor output	200 W	150 W	50 W	100 W
Deceleration mechanism	Direct-coupled			
Transmission method	Direct-coupled			
Motor to speed reducer	Direct-coupled			
Speed reducer to output	Direct-coupled			
Repeatability <small>Note 1</small>	+/-0.01 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed	4.4 m/sec	1.0 m/sec	1020 °/sec (wall mount) 720 °/sec (inverse wall mount)	
Maximum payload	5 kg (Standard specification), 4 kg (Option specifications <small>Note 4</small>)			
Standard cycle time: with 2kg payload <small>Note 2</small>	0.49 sec			
R-axis tolerable moment of inertia <small>Note 3</small>	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	19.5 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. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

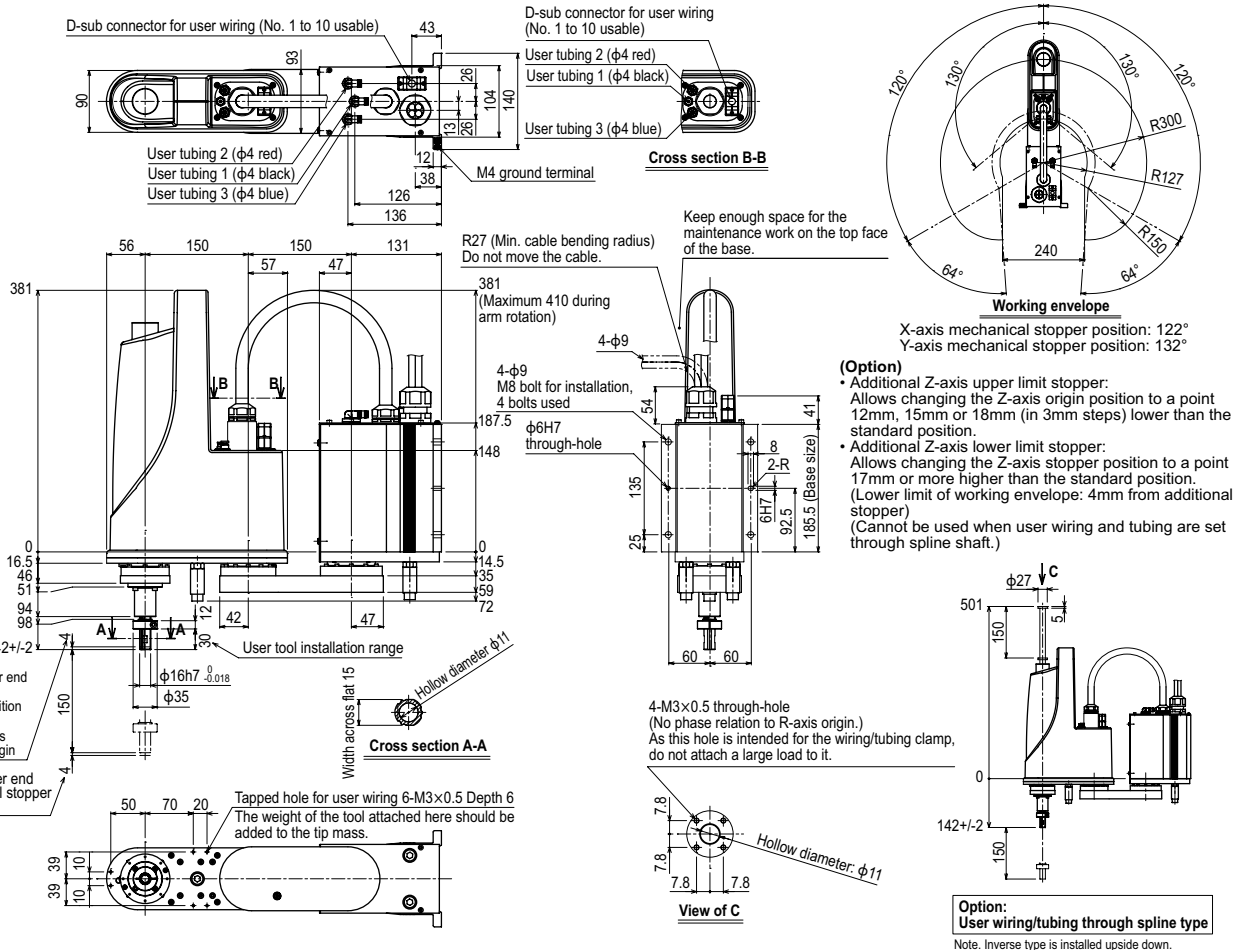
Controller

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

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:
<https://global.yamaha-motor.com/business/robot/>

YK300XGS



Articulated robots
YA
Linear conveyor modules
LCM100
Motor-assisted single-axis robot
Robonity
Compact single-axis robots
TRANSEURO
Single-axis robots
FLIP-X
Linear motor single-axis robots
PHASER
Cartesian robots
XY-X
SCARA robots
YK-X
Pick & place robots
YP-X
CLEAN
CONTROLLER INFORMATION
Ortho/Extra small type
Small / Medium type
Large type
Wall mount / Inverse type
Dust-proof & drip-proof type

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YK300XGS Tool flange mount type

