YK500XGS

Wall mount / inverse type

- Arm length 500mm
- Maximum payload 10kg

Ordering method

YK500XGS					RCX340-4							
Model	Installation method Note 1	Z axis stroke	Tool flange	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)	200: 200mm 300: 300mm	No entry: None F: With tool flange	3L: 3.5m 5L: 5m 10L: 10m								

Specify various controller setting items. RCX340 ▶ P.636

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		200 mm	300 mm	200 mm	300 mm	–
	Rotation angle		+/-105 °	+/-125 °	–		+/-360 °
AC servo motor output			400 W	200 W	200 W		200 W
Deceleration mechanism	Transmission method	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			7.6 m/sec		2.3 m/sec	1.7 m/sec	1700 °/sec (wall mount) 800 °/sec (inverse wall mount)
Maximum payload			10 kg (Standard type), 9 kg (Tool flange mount type)				
Standard cycle time: with 2kg payload Note 2			0.45 sec				
R-axis tolerable moment of inertia Note 3			0.30 kgm²				
User wiring			0.2 sq × 20 wires				
User tubing (Outer diameter)			φ 6 × 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			30 kg				

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.
Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.

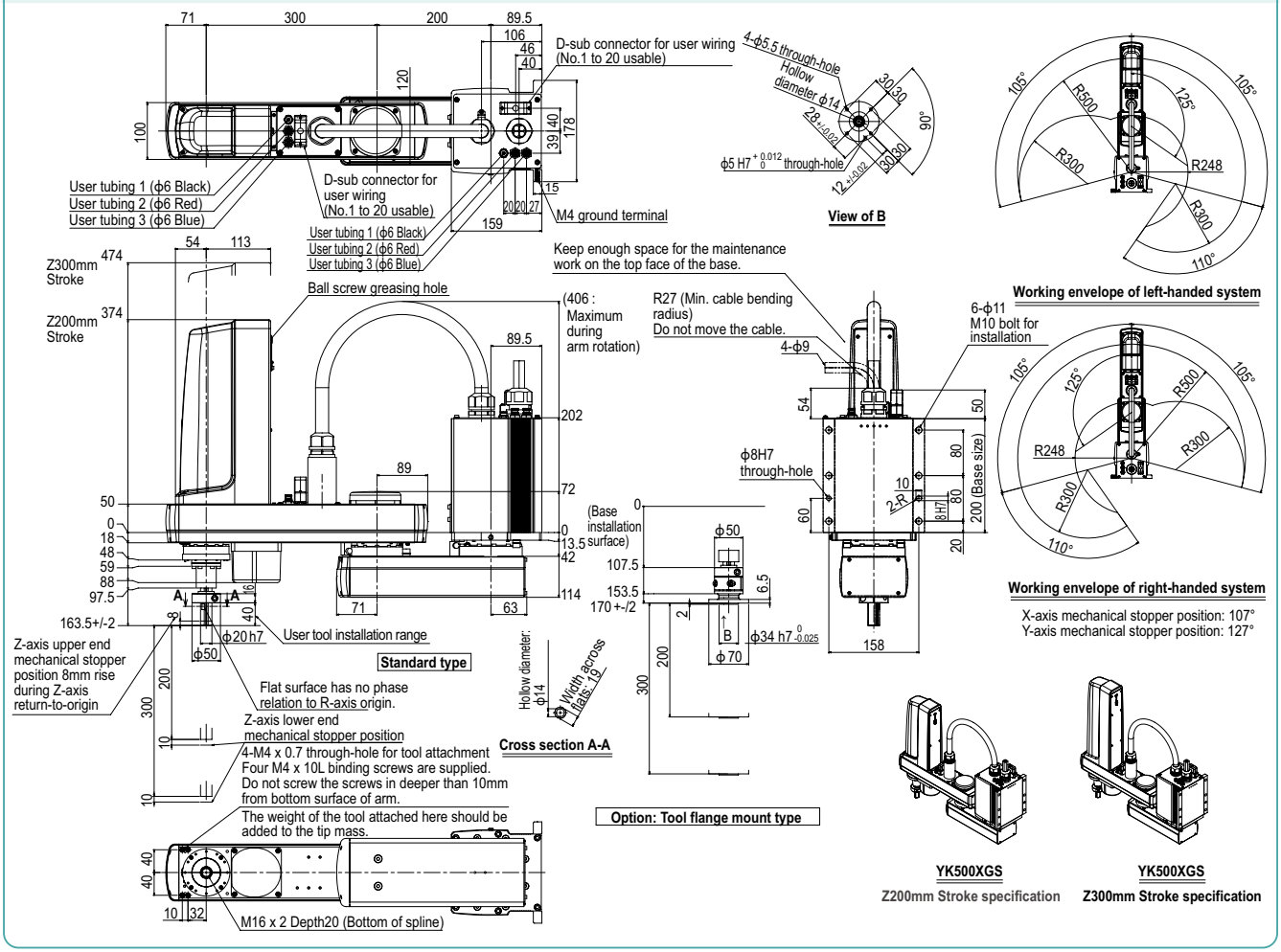
Controller

Controller	Power capacity (VA)	Operation method
RCX340	1700	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:
https://global.yamaha-motor.com/business/robot/

YK500XGS



Controller RCX340 ▶ 636