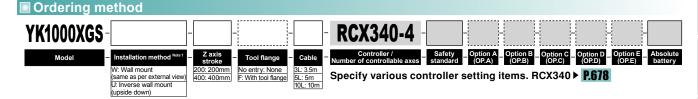
Arm length 1000mm
Maximum payload 20kg

YK1000XGS



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.

			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length		600 mm	400 mm	200 mm 400 mm	-
	Rotation angle		+/-130 °	+/-150 °	_	+/-360 °
AC servo motor output			750 W	400 W	400 W	200 W
	Transmission	Motor to speed reducer	Direct-coupled			
	method	Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.0	12 mm	+/-0.01 mm	+/-0.004 °
Maximum speed			10.6 ı	m/sec	2.3 1.7 m/sec m/sec	920 °/sec (wall mount 480 °/sec (inverse wall mount
Maximum payload			20 kg (Standard type), 19 kg (Tool flange mount type)			
Standard cycle time: with 2kg payload Note 2			0.49 sec			
R-axis tolerable moment of inertia Note 3			1.0 kgm²			
User wiring			0.2 sq × 20 wires			
User tubing (Outer diameter)			ф 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			Z axis 200 mm: 56 kg Z axis 400 mm: 58 kg			

■ Controller						
Controller	Power capacity (VA)	Operation method				
RCX340	2500	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/

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.

YK1000XGS	
User tubing 1 (\$\delta\$ 6 Blue)  User tubing 3 (\$\delta\$ 6 Fuser tubing 2 (\$\delta\$ 6 Fuser tubing 1 (\$\delta\$ 6 Blue)  User tubing 3 (\$\delta\$ 6 Blue)  User tubing 3 (\$\delta\$ 6 Blue)  User tubing 3 (\$\delta\$ 6 Blue)	Red 20 20 20 uses will all a services and a service services and a services and a service services and a services and a service service services and a service service services and a service service services and a service services and a service service services are services and a service service services and a service service service services and a service service services and a service service service services and a service service service services are services and a service service services and a service service service services and a service service service services and a service service service services are services and a service service service service services and a service service service service
Z400mm 585 Ball screw greasing hole	Do not move the cable.    Do not move the cable.   Working envelope of left-handed system   Isolate   Isol
Z200mm 385 Stroke 35 71.5 85.5 127.3 132 196.34/2	247
Z-axis upper end mechanical stopper position firm rise during Z-axis return-to-origin Z-axis lower end mechanical stopper position form rise during Z-axis lower end mechanical stopper position	Working envelope of right-handed system  X-axis mechanical stopper position: 152'  Y-axis mechanical stopper position: 152'
4-M4 x 0.7 through-hole for tool attachment Four M4 x 10.1 binding screws are supplied. Do not screw the screws in deeper than 10mm from bottom surface of arm. The weight of the tool attached here should be added to the tip mass.	Cross section A-A  Option: Tool flange mount type  4-6.6 through-hole
15 36 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	φ6 H7 +0.012 through-hole view of B