YK1000XC

Clean type: Large type

- Arm length 1000mm
- Maximum payload 20kg

Ordering method

YK1000XC -		-		-	RCX340-4	-								
Model	Z axis stroke		Cable length		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
	200: 200mm 400: 400mm		3L: 3.5m 5L: 5m 10L: 10m										

Specify various controller setting items. RCX340 ▶ P.566

Basic specifications

		X axis	Y axis	Z axis		R axis
Axis specifications	Arm length (mm)	550	450	200	400	–
	Rotation angle (°)	+/-120	+/-145	–		+/-180
AC servo motor output (W)		800	400	400		200
Repeatability Note 1 (XYZ: mm) (R: °)		+/-0.02		+/-0.01		+/-0.005
Maximum speed (XYZ: m/sec) (R: °/sec)		8.0		1.7		600
Maximum payload (kg)		20				
Standard cycle time: with 2kg payload (sec)		0.60				
R-axis tolerable moment of inertia Note 2 (kgm²)		0.32				
User wiring (sq × wires)		0.2 × 20				
User tubing (Outer diameter)		ϕ6 × 3				
Travel limit		1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)				
Robot cable length (m)		Standard: 3.5 Option: 5, 10				
Weight (kg)		59				
Degree of cleanliness		CLASS 10 Note 3				
Intake air (Nℓ/min)		60 Note 4				

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.
Note 3. Per 1cf (0.1μm base), when suction blower is used.
Note 4. The necessary intake amount varies depending on the use conditions and environment.

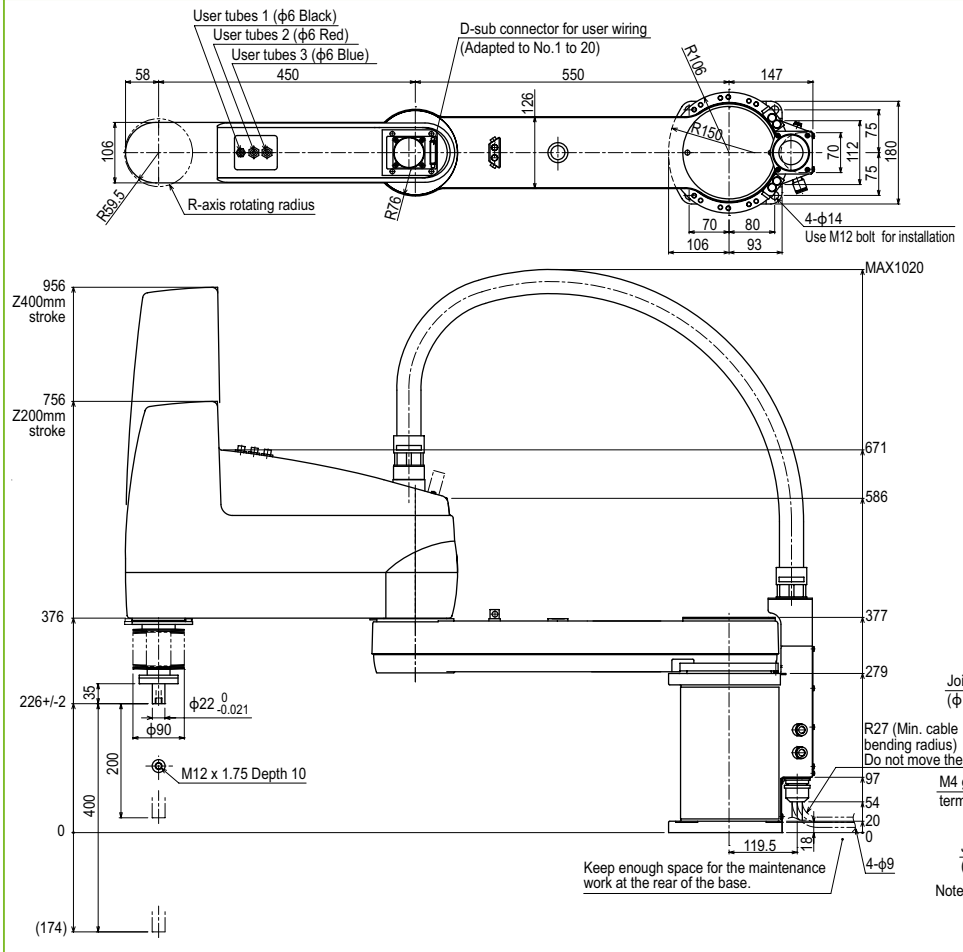
Controller

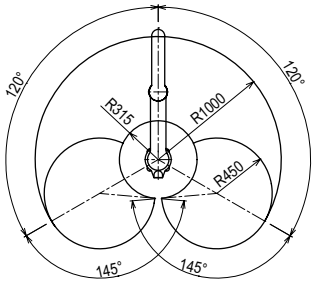
Controller	Power capacity (VA)	Operation method
RCX340	2000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

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.

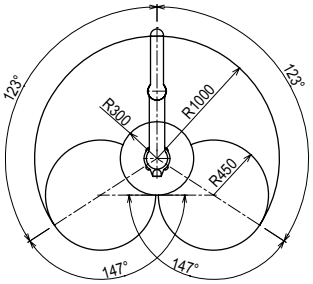
Our robot manuals (installation manuals) can be downloaded from our website at the address below:
https://global.yamaha-motor.com/business/robot/

YK1000XC

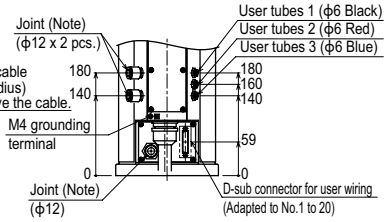




Working envelope



Maximum working envelope



Note: For details about tubing work, refer to the User's Manual.

Controller RCX340 ▶ 566