



- Arm length 250mm
- Maximum payload 4kg

Ordering method

YK250XGC - 150		S		RCX340-4								
Model	Z axis stroke 150: 150mm	Tool flange No entry: None F: With tool flange	Hollow shaft S: With hollow shaft	Cable length 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
					Specify various controller setting items. RCX340 ▶ P.566							

Basic specifications

		X axis	Y axis	Z axis	R axis
Axis specifications	Arm length (mm)	100	150	150	–
	Rotation angle (°)	+/-129	+/-134	–	+/-360
AC servo motor output (W)		200	150	50	100
Repeatability ^{Note 1} (XYZ: mm) (R: °)		+/-0.01		+/-0.01	+/-0.004
Maximum speed (XYZ: m/sec) (R: °/sec)		4.5		1.1	1020
Maximum payload (kg)		4			
Standard cycle time: with 2kg payload (sec) ^{Note 2}		0.50			
R-axis tolerable moment of inertia ^{Note 3} (kgm ²)		0.05			
User wiring (sq × wires)		0.2×10			
User tubing (Outer diameter)		φ4×4			
Travel limit		1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)			
Robot cable length (m)		Standard: 3.5 Option: 5, 10			
Weight (kg)		21.5			
Degree of cleanliness		ISO CLASS 3 (ISO 14644-1) ^{Note 4} +ESD ^{Note 5}			
Intake air (Nℓ/min)		30 ^{Note 6}			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)

Note 2. When reciprocating 25mm in vertical direction and 300mm in horizontal direction (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. Class 10 (0.1µm) equivalent to FFD-STD-209D

Note 5. ESD (ElectroStatic Discharge) prevention is an option. Please contact our distributor.

Note 6. The necessary intake amount varies depending on the use conditions and environment.

Controller

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

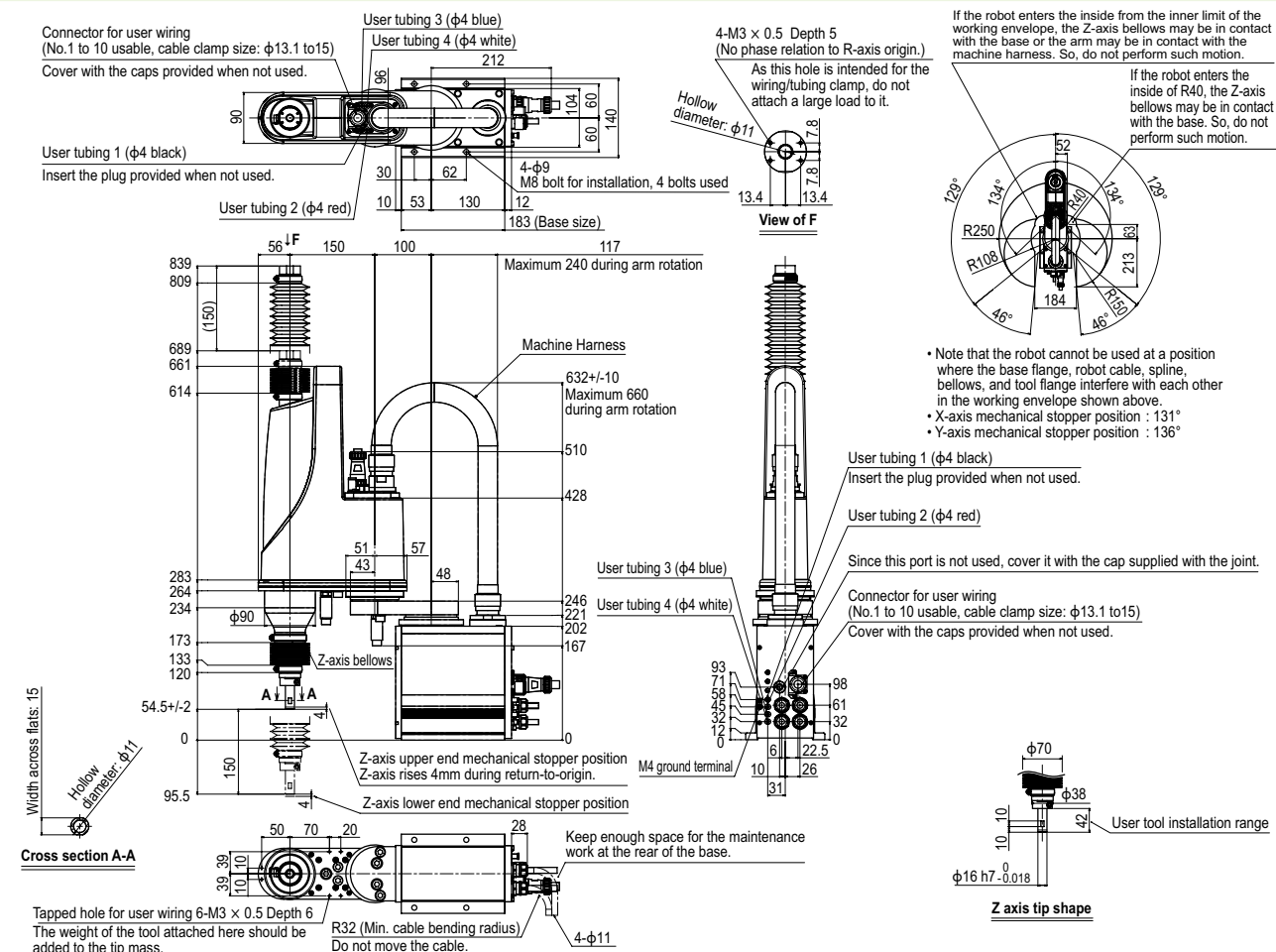
Note. The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set to the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.

Note. To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user's manual (installation manual) for more details.

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

YK250XGC



YK250XGC Tool flange mount type

