YK250XGC Clean type: Small type

Arm length 250mm
Maximum payload 4kg

■ Ordering method

YK250XGC - 150

Specify various controller setting items. RCX340 ▶ P.678

RCX340-4

<u> </u>	10L: 10m	-	

■ Basic specifications									
		X axis	Y axis	Z axis	R axis				
ANIO	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 (kgm²)		0.05							
User wiring (sq × wires)		0.2×10							
User tubing (Outer diameter)		ф4×4							
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+ESDNote 5							
Intake air (N&/min)		30 Note 6							

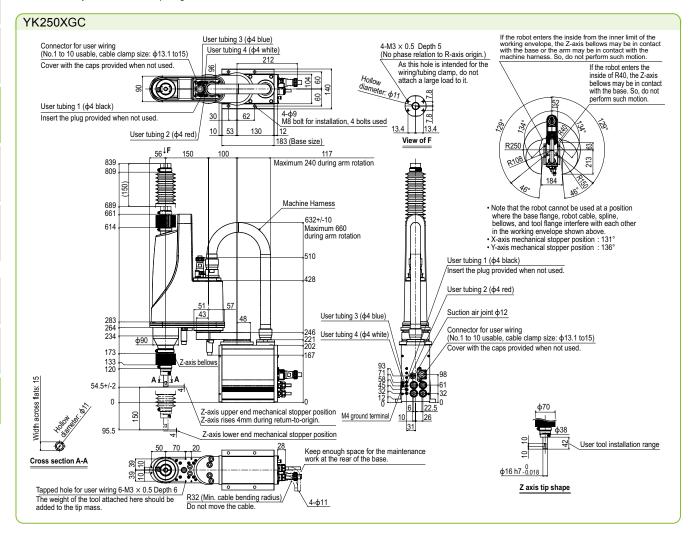
■ Controller Controller Power capacity (VA) Operation method Programming / I/O point trace Remote command / RCX340 1000 Operation using RS-232C communication

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/

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

