YK500XGLC Clean type: Medium type

Arm length 500mm
Maximum payload 4kg

■ Ordering method

YK500XGLC - 150

RCX340-4

Safety Option A Option B Option C Option D Option E Abscres standard (OP.A) (OP.B) (OP.C) (OP.D) (OP.E) batt

Specify various controller setting items. RCX340 ▶ P.678

■ Basic specifications					
		X axis	Y axis	Z axis	R axis
Axis specifications	Arm length (mm)	250	250	150	_
	Rotation angle (°)	+/-129	+/-144	-	+/-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)		5.1		1.1	1020
Maximum payload (kg)		4			
Standard cycle time: with 2kg payload (sec)Note 2		0.66			
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)		25			
Degree of cleanliness		ISO CLASS 3 (ISO 14644-1) Note 4+ESDNote 5			
Intake air (N&/min)		30 Note 6			
Note 4. This is the subsect of the s					

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 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.



