YK500XGLC

Arm length 500mm
Maximum payload 4kg

■ Ordering method

YK500XGLC - 150

No entry: None

RCX340-4

Safety Option A Option B Option C Option D Option E Abs standard (OP.A) (OP.B) (OP.C) (OP.D) (OP.E) bat

communication

Specify various controller setting items. RCX340 ▶ P.542

RCX240S - CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery

Controller

Specify various controller setting items. RCX240/RCX240S ▶ P.532

■ Basic specifications					
		X axis	Y axis	Z axis	R axis
, ,,,,,	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		0.74			
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 (Ne/min)		30 Note 6			

Controller | Power capacity (VA) | Operation method Programming / I/O point trace RCX340 Remote command / 1000 RCX240S Operation using RS-232C

"Harmonic" and "Harmonic drive" are the registered trademarks

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.

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: http://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. There are limits to acceleration coefficient settings. See P.608.
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



