YK700XC

● Arm length 700mm ● Maximum payload 20kg

■ Ordering method

YK700XC ☐ ☐ 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 |

Z axis stroke: 200: 200mm / 400: 400mm
Cable length: 3L: 3.5m / 5L: 5m / 10L: 10m

Specify various controller setting items. RCX340 ▶ P.542

RCX240 - ☐ - R - ☐ - ☐ - ☐ - ☐ - ☐ - ☐

| Controller | CE Marking | Regenerative unit | Expansion I/O | Network option | iVY System | Gripper | Battery |

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

■ Basic specifications

		X axis	Y axis	Z axis		R axis
Axis specifications	Arm length (mm)	350	350	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)		6.7		1.7		600
Maximum payload (kg)		20				
Standard cycle time: with 2kg payload (sec)		0.57				
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)		57				
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. There are limits to acceleration coefficient 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 RCX240-R	2000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

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.

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

YK700XC

Working envelope

X,Y axis mechanical stopper position

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