Arm length 500mm
Maximum payload 10kg

Ordering method

RCX240-R3 YK500XGS BB Network option No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link Note 3 iVY System N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72 No entry: None VY: iVY (Vision) TR: iVY+Light +Tracking LC: iVY+Light W: Wall-mount (same as per external view) U: Inverse wall-mount (upside down) 300: 300mm (10L: 10m No entry: Standard E: CE marking

Note 1. When installing the robot, always follow the specifications.

Do not install the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

Note 2. Use N to N 4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.

Note 3. Available only for the master.

Specific	ications								
			X-axis	Y-axis	Z-a	ixis	R-axis		
Axis	Arm length (n	nm)	200	300	200	300	-		
specifications	Rotation angle (°)		+/-105	+/-125	-		+/-360		
AC servo motor output (W)			400	200	200		200		
Deceleration	Speed reducer		Harmonic drive	Harmonic drive	Balls	screw	Harmonic drive		
mechanism	Transmission	Transmission Motor to speed reducer				Direct-coupled			
	method	Speed reducer to output	Direct-coupled						
Repeatability Note 1 (XYZ: mm) (R: °)			+/-(+/-0.01		0.01	+/-0.004		
Maximum speed (XYZ: m/sec) (R: °/sec)			7.	.6	2.3	1.7	1700 (wall-mount) 800 (inverse wall-mount)		
Maximum payload (kg)			10						
Standard cycle time: with 2kg payload Note 2 (sec)			0.45						
R-axis tolerable moment of inertia Note 3 (kgm²)			0.30						
User wiring (sq × wires)			0.2 × 20						
User tubing (Outer diameter)			ф6 × 3						
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)						
Robot cable length (m)			Standard: 3.5 Option: 5,10						
Weight (kg)			30						

■ Controller									
Controller Power capacity (VA) O	Operation method								
RCX240-R3 1700 Re	Programming / I/O point trace / Remote command / Operation using RS-232C communication								

Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions. Note 3. There are limits to acceleration coefficient settings. Note. Please consult YAMAHA when connecting other tubes and cables to the self

te. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.	
YK500XGS	
User tubing 1 (\$\$\text{\$	R248
Stroke (406)	Working envelope of left-handed system
2200mm 374 Stroke 89.5 6-011 M10 be 6bolts 1 89.5 6-011 M10 be 6bolts 1 10 89.5 13.5 13.5 142 2-axis upper end mechanical m	Working envelope of right-handed system X-axis mechanical stopper position: 107° Y-axis mechanical stopper position: 127°
The weight of the tool attachment Four M4 x 10L binding screws are supplied. Do not screw the screws in deeper than 10mm from bottom surface of arm. The weight of the tool attachded here should be added to the tip mass.	YK500XGS Z200mm Stroke specification Note. Inverse type is installed upside down.