YK500XG

Dust-proof & drip-proof type

N, P: Standard I/O 16/8 N1, P1: 40/24

N2, P2: 64/40

No entry: Standard

marking

Arm length 500mm
Maximum payload 8kg

■ Ordering method

RCX240-YK500XGP

F: With tool flange

Note 1.	Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.
Note 2.	Available only for the master.

Specific	ications						
			X-axis	Y-axis	Z-axis		R-axis
Axis specifications	Arm length (mm)		200	300	200	300	_
	Rotation angle (°)		+/-130	+/-145	-		+/-360
AC servo motor output (W)			400	200	200		200
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw		Harmonic drive
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled				
mechanism		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.		1.7	1700
Maximum payload (kg)			8				
Standard cycl	e time: with 2k	g payload Note 2 (sec)	0.55				
R-axis tolerab	le moment of	inertia Note 3 (kgm²)	0.3				
Protection cla	ISS Note 4		Equivalent to IP65 (IEC 60529)				
User wiring (s	q × wires)		0.2×20				
User tubing (C	Outer diameter	r)	ф6×3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Robot cable le	ength (m)		Standard: 3.5 Option: 5,10				
Weight (kg)			Z axis 200mm: 32 Z axis 300mm: 33				
Note 1 This is the	value at a consta	nt amhient temperature (X	V avec)				

10L: 10m

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

No entry: None VY: iVY (Vision)

TR: iVY+Light
+Tracking
LC: iVY+Light

No entry: None GR:

Gripper

No entry: None CC: CC-Link

DN: DeviceNet
PB: Profibus
EN: EtherNet
EP: EtherNet/IP

BB

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.

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://www.yamaha-motor.co.jp/global/industrial/robot/

