Arm length 700mm Maximum payload 20kg

Ordering method

RCX240-YK700XGS N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72 W: Wall-mount (same as per external view) U: Inverse wall-mount (upside down) No entry: None CC: CC-Link DN: DeviceNet PB: Profibus No entry: None
VY: iVY (Vision)
TR: iVY+Light No entry: Standard E: CE

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 N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.

Note 3. Available only for the master.

Maximum payload (kg) 20 Standard cycle time: with 2kg payload Note 2 (sec) 0.42 R-axis tolerable moment of inertia Note 3 (kgm²) 1.0 User wiring (sq × wires) 0.2 × 20 User tubing (Outer diameter) \$\phi \times 3\$ Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	Specifications Specifications							
Specifications Rotation angle (°)				X-axis	Y-axis	Z-a	ixis	R-axis
AC servo motor output (W) 750 400 400 200	Axis	Arm length (n	nm)	300	400	200	400	-
Speed reducer Harmonic drive Harmonic drive Ball screw Harmonic drive Ball screw Harmonic drive Ball screw Harmonic drive Ball screw Harmonic drive Direct-coupled	specifications	Rotation angle (°)		+/-130	+/-130	_		+/-360
Transmission method Transmission Transmission method Trans	AC servo motor output (W)		750	400	40	00	200	
mechanism Transmission method Motor to speed reducer pound Direct-coupled Repeatability Note 1 (XYZ: mm) (R: °) +/-0.02 +/-0.01 +/-0.004 Maximum speed (XYZ: m/sec) (R: °/sec) 8.4 2.3 1.7 920 (wall-mount) / 480 (inverse wall-mount) Maximum payload (kg) 20 Standard cycle time: with 2kg payload Note 2 (sec) 0.42 R-axis tolerable moment of inertia Note 3 (kgm²) 1.0 User wiring (sq x wires) 0.2 x 20 User tubing (Outer diameter) φ6 x 3 Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10		Speed reducer		Harmonic drive	Harmonic drive	Balls	screw	Harmonic drive
method Speed reducer to output Direct-coupled		Transmission	ansmission Motor to speed reducer Direct-coupled					
Maximum speed (XYZ: m/sec) (R: °/sec) 8.4 2.3 1.7 920 (wall-mount) 480 (inverse wall-mount) 480 (inverse		method	Speed reducer to output	Direct-coupled				
Maximum speed (X12: insec) (X: /sec) 0.4 2.3 1.7 480 (inverse wall-mount) Maximum payload (kg) 20 Standard cycle time: with 2kg payload Note 2 (sec) 0.42 R-axis tolerable moment of inertia Note 3 (kgm²) 1.0 User wiring (sq x wires) 0.2 x 20 User tubing (Outer diameter) \$6 \times 3 Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	Repeatability	Repeatability Note 1 (XYZ: mm) (R: °)			.02 +/-0.01		+/-0.004	
Standard cycle time: with 2kg payload Note 2 (sec) 0.42 R-axis tolerable moment of inertia Note 3 (kgm²) 1.0 User wiring (sq x wires) 0.2 x 20 User tubing (Outer diameter) \$\phi \times x\$ Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	Maximum speed (XYZ: m/sec) (R: °/sec)		8.	.4	2.3	1.7	920 (wall-mount) 480 (inverse wall-mount)	
R-axis tolerable moment of inertia Note 3 (kgm²) 1.0 User wiring (sq x wires) 0.2 x 20 User tubing (Outer diameter) ф6 x 3 Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	Maximum payload (kg)			20				
User wiring (sq × wires) 0.2 × 20 User tubing (Outer diameter) φ6 × 3 Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	Standard cycle time: with 2kg payload Note 2 (sec)			0.42				
User tubing (Outer diameter) φ6 × 3 Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	R-axis tolerable moment of inertia Note 3 (kgm²)			1.0				
Travel limit 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) Robot cable length (m) Standard: 3.5 Option: 5,10	User wiring (sq × wires)			0.2 × 20				
Robot cable length (m) Standard: 3.5 Option: 5,10	User tubing (Outer diameter)			ф6 × 3				
	Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				
Weight (kg) 7 avia 200 mm; F0 7 avia 400 mm; F0	Robot cable length (m)			Standard: 3.5 Option: 5,10				
Z axis200iiiii. 50 Z axis400iiiii. 52	Weight (kg)			Z axis200mm: 50 Z axis400mm: 52				

Controller								
Controller	Power capacity (VA)	Operation method						
RCX240-R3	2500	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-supporting machine harness.

