YK900XG

Dust-proof & drip-proof type

Arm length 900mm
Maximum payload 20kg

■ Ordering method

YK900XGP RCX340-4 Specify various controller setting items. RCX340 ▶ **P.566**

Standard: 3.5 m Option: 5 m, 10 m

Z axis 200 mm: 58 kg Z axis 400 mm: 60 kg

■ Specifications							
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		500 mm	400 mm	200 mm 400 mm	-	
specifications	Rotation angle		+/-130 °	+/-150 °	-	+/-360 °	
AC servo motor output			750 W	400 W	400 W	200 W	
Deceleration mechanism	Transmission method	Motor to speed reducer	Direct-coupled				
		Speed reducer to output	Direct-coupled				
Repeatability Note 1			+/-0.0	2 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed		9.9 m/sec 2.3 m/sec 1.7 m/sec 920 °/sec		920 °/sec			
Maximum payload			20 kg				
Standard cycle time: with 2kg payload Note 2			0.59 sec				
R-axis tolerable moment of inertia Note 3			1.0 kgm ²				
Protection class Note 4			Equivalent to IP65 (IEC 60529)				
User wiring (sq × wires)			0.2 × 20				
User tubing (Outer diameter)			ф 6 × 3				
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)				

Controller						
Controller	Power capacity (VA)	Operation method				
RCX340	2500	Programming / I/O point trace / Remote command / Operation using RS-232C communication				

Controller

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: https://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. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.
Note 4. Do not use robots where the bellows section is directly exposed to water jet. Contact our distributor for information on drip-proof

structure preventing liquid other than water

Robot cable length

Weight

