YK500XGP

Dust-proof & drip-proof type

Arm length 500mm
Maximum payload 10kg

■ Ordering method

YK500XGP RCX340-4

Specify various controller setting items. RCX340 ▶ P.678

Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		200 mm	300 mm	200 mm 300 mm	-
specifications	Rotation angle		+/-130 °	+/-145 °	-	+/-360 °
AC servo motor output			400 W	200 W	200 W	200 W
	Transmission	Motor to speed reducer	Direct-coupled			
	method	Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum speed			7.6 m/sec		2.3 m/sec 1.7 m/sec	1700 °/sec
Maximum payload			10 kg			
Standard cycle time: with 2kg payload Note 2			0.55 sec			
R-axis tolerable moment of inertia Note 3			0.3 kgm ²			
Protection class Note 4			Equivalent to IP65 (IEC 60529)			
User wiring			0.2 sq × 20 wires			
User tubing (Outer diameter)			ф 6 × 3			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 10 m			
Weight			Z axis 200 mm: 32 kg Z axis 300 mm: 33 kg			

Controller | Power capacity (VA) | Operation method Programming / I/O point trace Remote command / RCX340 1700 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.

