YK800XGP

Arm length 800mm
Maximum payload 18kg

Ordering method			
YK800XGP-	- F		RCX340-4
Model – Z ax strol 200: 200 400: 400	mm F: With tool flang	5L: 5m	Controller / Number of controllable axes - Safety standard - Option A (OP.A) - Option B - Option C (OP.C) - Option D - O
		10L: 10m	RCX240 - R3 BB

Specify various controller setting items. RCX240/RCX240S ▶ P.495

Controller —CE Marking — Regeneratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

Dust-proof & drip-proof type

■ Specifi	ications						
			X-axis	Y-axis	Z-axis	R-axis	
Axis Arm length specifications Rotation angle		400 mm	400 mm	200 mm 400 mm	_		
		+/-130 °	+/-150 °	_	+/-360 °		
AC servo motor output			750 W	400 W	400 W	200 W	
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled				
	method	Speed reducer to output	Direct-coupled				
Repeatability Note 1			+/-0.02 mm +/-0.01 mm +/-0.004			+/-0.004 °	
Maximum speed			9.2 m/sec 2.3		2.3 m/sec 1.7 m/sec	920 °/sec	
Maximum payload			18 kg				
Standard cycle time: with 2kg payload Note 2			0.58 sec				
R-axis tolerable moment of inertia Note 3			1.0 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: 56 kg Z axis 400 mm: 58 kg				

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 2500 RCX240-R3 Operation using RS-232C communication

Controller

Note. "Harmonic" and "Harmonic drive" are the registered trademarks

Triamonic and Taimonic drive are the registered trademark of Harmonic Drive Systems Inc.

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. information.

Note. 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://global.vamaha-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. There are limits to acceleration coefficient settings. See P.539.
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.

