YK500XGLP

Arm length 500mm Maximum payload 4kg

■ Ordering method YK500XGLP-150 RCX340-4

No entry: None F: With tool flange

Specify various controller setting items. RCX340 ▶ P.508 RCX240S BB

Dust-proof & drip-proof type

— CE Marking — Expansion I/O — Network option — iVY System — Gripper — Battery Specify various controller setting items. RCX240/RCX240S ▶ P.495

■ Controller

■ Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length		250 mm	250 mm	150 mm	-
	Rotation angle		+/-129 °	+/-144 °	_	+/-360 °
AC servo motor output			200 W	150 W	50 W	100 W
Deceleration mechanism	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive
	Transmission method	Motor to speed reducer	Direct-coupled			
		Speed reducer to output	Direct-coupled			
Repeatability Note 1			+/-0.01 mm		+/-0.01 mm	+/-0.004 °
Maximum speed			5.1 n	n/sec	1.1 m/sec	1020 °/sec
Maximum payload			4 kg			
Standard cycle time: with 2kg payload Note 2			0.74 sec			
R-axis tolerable moment of inertia Note 3			0.05 kgm <sup>2</sup>			
Protection class Note 4			Equivalent to IP65 (IEC 60529)			
User wiring			0.2 sq × 10 wires			
User tubing (Outer diameter)			ф 4 × 4			
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			25 kg			

Controller Power capacity (VA) Operation method Programming / I/O point trace / RCX340 Remote command / 1000 RCX240S Operation using RS-232C communication

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.

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.538.
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.



