## YK700XG

Dust-proof & drip-proof type

Arm length 700mm
Maximum payload 18kg

Ordering method

RCX340-4 YK700XGP F: With tool flange Specify various controller setting items. RCX340 ▶ P.508

> **R3** BB eratizve unit — Expansion I/O — Network option — iVY System — Gripper — Battery

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

■ Specifi	ications		<u> </u>			oottiing itoilie
Specifi	ications					
			X-axis	Y-axis	Z-axis	R-axis
Axis	Arm length		300 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	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			+/-0.02 mm		+/-0.01 mm	+/-0.004 °
Maximum speed			8.4 n	n/sec	2.3 m/sec 1.7 m/sec	920 °/sec
Maximum payload			18 kg			
Standard cycle time: with 2kg payload Note 2			0.52 sec			
R-axis tolerable moment of inertia Note 3			1.0 kgm <sup>2</sup>			
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: 54 kg Z axis 400 mm: 56 kg			

using RS-232C communication

2500

Controller Power capacity (VA) Operation method

Programming / I/O point trace

Remote command /

Operation

■ Controller

RCX340

RCX240-R3

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

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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

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.

