YK250XG

Standard type: Small type

- Arm length 250mm
- Maximum payload 5kg

Ordering method

YK250XG - 150 - [ ] - [ ] - [ ]

Model	Z axis stroke	Tool flange	Hollow shaft	Cable
YK250XG	150: 150mm	No entry: None F: With tool flange	No entry: None S: With hollow shaft	3L: 3.5m 5L: 5m 10L: 10m

RCX340-4 - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Controller / Number of controllable axes	Safety standard	Option A (OP.A)	Option B (OP.B)	Option C (OP.C)	Option D (OP.D)	Option E (OP.E)	Absolute battery
RCX340-4							

Specify various controller setting items. RCX340 ▶ P.494

RCX240S - [ ] - [ ] - [ ] - [ ] - [ ] - BB

Controller	CE Marking	Expansion I/O	Network option	iVY System	Gripper	Battery
RCX240S						BB

Specify various controller setting items. RCX240/RCX240S ▶ P.481

Specifications

			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length		100 mm	150 mm	150 mm	-
	Rotation angle		+/-140 °	+/-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			4.5 m/sec		1.1 m/sec	1020 °/sec
Maximum payload			5 kg (Standard specification), 4 kg (Option specifications Note 4)			
Standard cycle time: with 2kg payload Note 2			0.49 sec			
R-axis tolerable moment of inertia Note 3			0.05 kgm^2 (0.5 kgfcms^2)			
User wiring			0.2 sq × 10 wires			
User tubing (Outer diameter)			ϕ 4 × 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			18.5 kg			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions.
Note 3. There are limits to acceleration coefficient settings. See P.523.
Note 4. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.

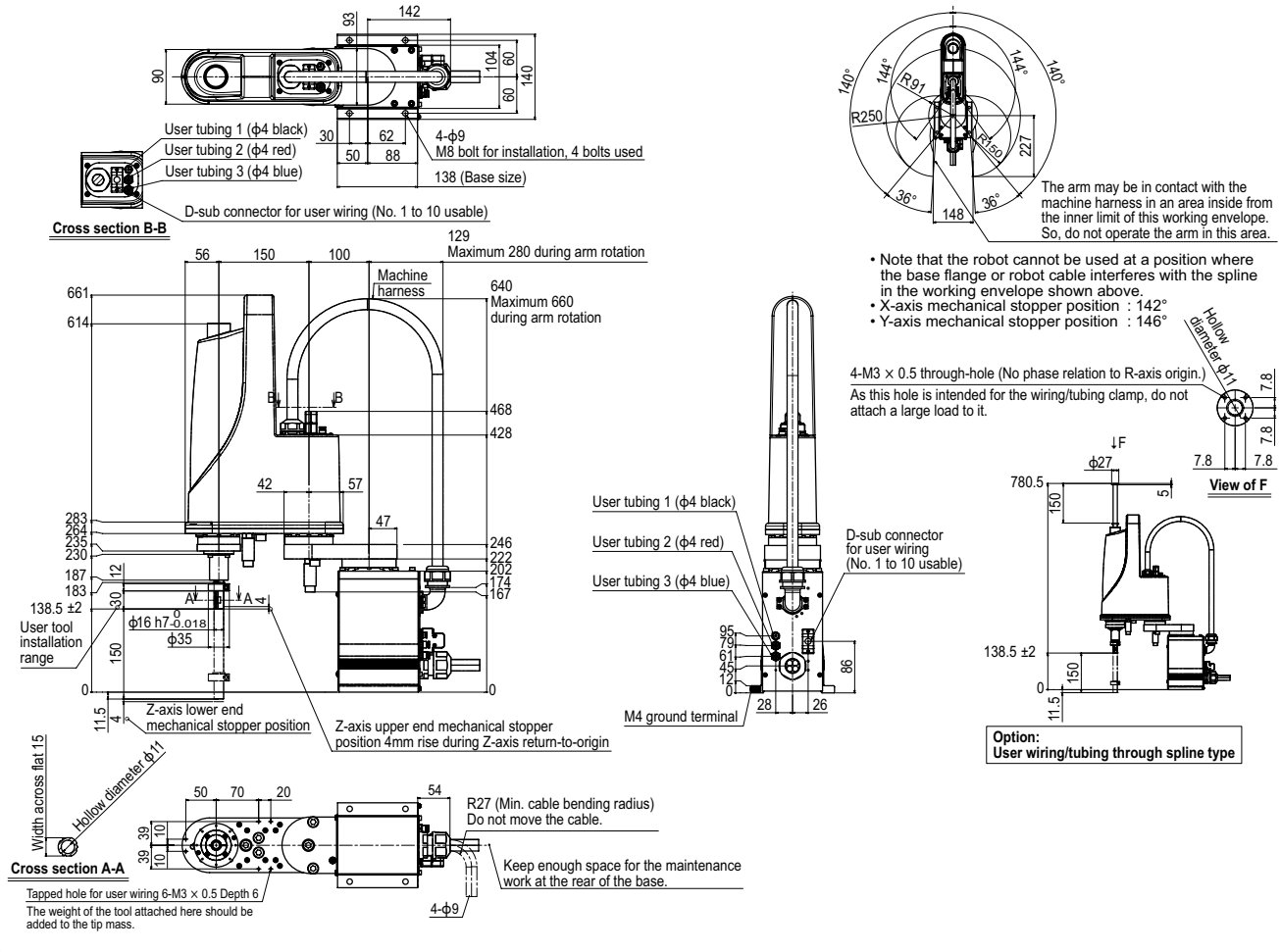
Controller

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

Note. "Harmonic" and "Harmonic drive" are the registered trademarks of Harmonic Drive Systems Inc.
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.
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.yamaha-motor.com/business/robot/

YK250XG



APPLICATION
TRANSERVO Compact single-axis robots
FLIP-X Single-axis robots
PHASER Linear motor single-axis robots
XY-X Cartesian robots
YK-X SCARA robots
YP-X Pick & place robots
CLEAN
CONTROLLER
INFORMATION
Orbit / Tiny type
Small type
Large type
Wall-mount / inverse type
Dust-proof & drip-proof type

YK250XG

YK250XG Tool flange mount type