YK250XG

Dust-proof & drip-proof type

Arm length 250mm
Maximum payload 4kg

Ordering method

RCX340-4 YK250XGP-150 Safety Option A Option B Option C Option D Option E Abso standard (OP.A) (OP.B) (OP.C) (OP.D) (OP.E) batte No entry: None F: With tool flange

Specify various controller setting items. RCX340 ▶ P.678

Controller

			X-axis	Y-axis	Z-axis	R-axis
	Arm length		100 mm	150 mm	150 mm	-
specifications Rotation		otation angle		+/-134 °	-	+/-360 °
AC servo motor output			200 W	150 W	50 W	100 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			4.5 n	n/sec	1.1 m/sec	1020 °/sec
Maximum payload			4 kg			
Standard cycle time: with 2kg payload Note 2			0.50 sec			
R-axis tolerable moment of inertia Note 3			0.05 kgm²			
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			21.5 kg			

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

Note. The movement range can be limited by changing the positions 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.

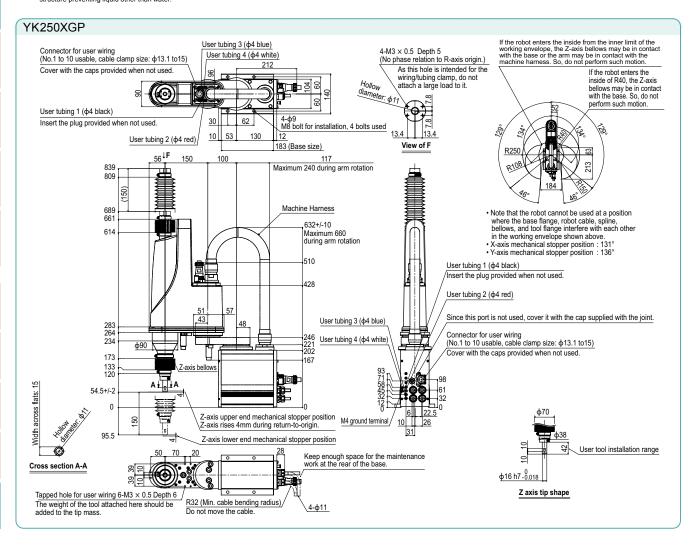
Our robot manuals (installation manuals) can be downloaded from our website at the address below: https://global.yamaha-motor.com/business/robot/

- 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.



Controller

