## **YK180XG**

Standard type: Extra small type

Arm length 180mm
Maximum payload 1kg

■ Ordering method

YK180XG - 50

RCX340-4 Cable

Option B — Option C (OP.B) — (OP.C)

Controller

Specify various controller setting items. RCX340 ▶ **P.566** 

■ Specifications						
			X-axis	Y-axis	Z-axis	R-axis
	Arm length		105 mm	75 mm	50 mm	-
specifications	Rotation angle		+/-125 °	+/-145 °	-	+/-360 °
AC servo motor output			30 W	30 W	30 W	30 W
Deceleration mechanism	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			3.3 m/sec		0.9 m/sec	1700 °/sec
Maximum payload			1.0 kg			
Standard cycle time: with 0.1kg payload Note 2			0.33 sec			
R-axis tolerable moment of inertia Note 3			0.01 kgm²			
User wiring			0.1 sq × 8 wires			
User tubing (Outer diameter)			ф 4 × 2			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 2 m Option: 3.5 m, 5 m, 10 m			
Weight (Excluding robot cable) Note 4			4.1 kg			
Robot cable weight			0.9 kg (2 m) 1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)			

Controller | Power capacity (VA) | Operation method Programming / I/O point trace / Remote command / RCX340 500 Operation using RS-232C communication

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.

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 moving 25mm in vertical direction and 100mm in horizontal direction reciprocally.

Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.

Note 4. The total robot weight is the sum of the robot body weight and the cable weight.

