YK180X Standard type: Extra small type

Arm length 180mm Maximum payload 1kg

■ Ordering method

YK180X - 100

RCX340-4 Cable 3L: 3.5m

5.5 kg

1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)

Specify various controller setting items. RCX340 ▶ **P.636** 

**■** Controller

■ Cnooifi	actions					
Specifi	cations					
			X-axis	Y-axis	Z-axis	R-axis
Axis specifications	Arm length		71 mm	109 mm	100 mm	_
	Rotation angle		+/-120 °	+/-140 °	-	+/-360 °
AC servo motor output			50 W	30 W	30 W	30 W
Deceleration mechanism	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			3.3 m/sec		0.7 m/sec	1700 °/sec
Maximum payload			1.0 kg			
Standard cycle time: with 0.1kg payload Note 2			0.39 sec			
R-axis tolerable moment of inertia Note 3			0.01 kgm²			
User wiring			0.1 sq × 6 wires			
User tubing (Outer diameter)			ф 3 × 2			
Travel limit			1.Soft limit 2.Mechanical stopper (X,Y,Z axis)			
Robot cable length			Standard: 3.5 m Option: 5 m, 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/

Weight (Excluding robot cable) Note 4

Robot cable weight

Note 1. This is the value at a constant ambient temperature.

Note 2. When reciprocating 100mm in horizontal and 25mm in vertical directions.

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.

