R180

YK180X Standard type: Tiny type

■ Ordering method

YK180X - 100

Specifications

3L: 3.5m 5L: 5m 10L: 10m

Arm length 180mm Maximum payload 1kg

RCX340-4 Cable

Specify various controller setting items. RCX340 ▶ P.508 RCX240S

- CE Marking - Expansion I/O - Network option - iVY System - Gripper - Battery Specify various controller setting items. RCX240/RCX240S ▶ P.495

Specifi	ications						
			X-axis	Y-axis	Z-axis	R-axis	
Axis	Arm length		71 mm	109 mm	100 mm	-	
specifications Rotation angle		le	+/-120 °	+/-140 °	-	+/-360 °	
AC servo motor output			50 W	30 W	30 W	30 W	
Deceleration mechanism	Speed reduce	er	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			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 kgm ²				
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)				

500 RCX240S Operation using RS-232C communication

Controller Power capacity (VA) Operation method

Programming / I/O point trace /

Remote command /

BB

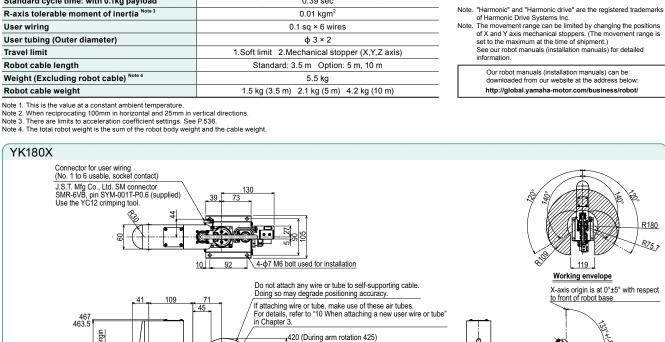
■ Controller

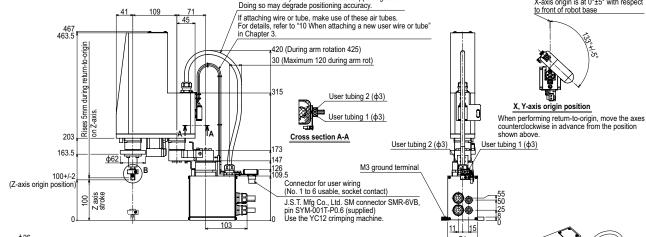
RCX340

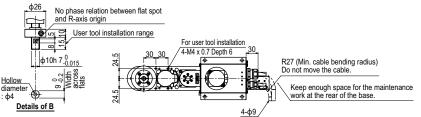
See our robot manuals (installation manuals) for detailed information.

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

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	
	Speed reducer		Harmonic drive	Harmonic drive	Ball screw	Harmonic drive	
Deceleration mechanism	Transmission	Motor to speed reducer	Direct-coupled				
	method	Speed reducer to output	Direct-coupled				
Repeatability Note 1			+/-0.0)1 mm	+/-0.01 mm	+/-0.004 °	
Maximum speed			3.3 r	n/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 kgm ²				
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				
Weight (Excluding robot cable) Note 4			5.5 kg				
Robot cable weight			1.5 kg (3.5 m) 2.1 kg (5 m) 4.2 kg (10 m)				







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