

YK600XG

Standard type: Medium type



- Arm length 600mm
- Maximum payload 10kg

Ordering method

YK600XG

| | | | |
|--------------|--|---|--|
| Model | Z axis stroke 200: 200mm 300: 300mm | Tool flange No entry: None F: With tool flange | Cable 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 |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|

Specify various controller setting items. RCX340 ▶ **P.678**

Specifications

| | | X-axis | Y-axis | Z-axis | R-axis |
|--|-------------------------------|--|------------|------------|------------|
| Axis specifications | Arm length | 300 mm | 300 mm | 200 mm | 300 mm |
| | Rotation angle | +/-130 ° | +/-145 ° | - | +/-360 ° |
| AC servo motor output | | 400 W | 200 W | 200 W | 200 W |
| Deceleration mechanism | Transmission method | Direct-coupled | | | |
| | Motor to speed reducer | Direct-coupled | | | |
| Repeatability ^{Note 1} | | +/-0.01 mm | +/-0.01 mm | +/-0.004 ° | |
| Maximum speed | | 8.4 m/sec | 2.3 m/sec | 1.7 m/sec | 1700 °/sec |
| Maximum payload | | 10 kg (Standard type), 9 kg (Tool flange mount type) | | | |
| Standard cycle time: with 2kg payload ^{Note 2} | | 0.43 sec | | | |
| R-axis tolerable moment of inertia ^{Note 3} | | 0.30 kgm ² | | | |
| User wiring | | 0.2 sq x 20 wires | | | |
| User tubing (Outer diameter) | | φ 6 x 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 | | 31 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. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.

Controller

| Controller | Power capacity (VA) | Operation method |
|------------|---------------------|--|
| RCX340 | 1700 | Programming / I/O point trace / Remote command / 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.

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:
<https://global.yamaha-motor.com/business/robot/>

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