YK600XGH

Standard type: Medium type

Arm length 600mm
Maximum payload 20kg

### Ordering method

**YK600XGH**

<table>
<thead>
<tr>
<th>Model</th>
<th>X-axis stroke</th>
<th>Y-axis stroke</th>
<th>Z-axis stroke</th>
<th>R-axis stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>YK600XGH</td>
<td>200 mm</td>
<td>400 mm</td>
<td>200 mm</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

**Controller**

<table>
<thead>
<tr>
<th>Controller</th>
<th>Power capacity (VA)</th>
<th>Operation method</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCX340</td>
<td>2500</td>
<td>Programming / I/O point trace / Remote command / Operation using RS-232C communication</td>
</tr>
</tbody>
</table>

**Specifications**

- **Axis specifications**
  - X-axis: 200 mm
  - Y-axis: 400 mm
  - Z-axis: 200 mm
  - R-axis: 400 mm

- **AC servo motor output**
  - 750 W

- **Transmission speed**
  - 400 W

- **Deceleration method**
  - Direct-coupled

- **Motor to speed reducer**
  - Direct-coupled

- **Motor to speed reducer**
  - Direct-coupled

- **Transmitter method**
  - Direct-coupled

- **Repeatability**
  - +/- 0.02 mm

- **Maximum speed**
  - 7.7 m/sec

- **Maximum payload**
  - 20 kg

- **Standard cycle time**
  - with 2kg payload

- **Maximum payload**
  - 20kg

- **Weight**
  - 2 axis 200 mm: 40 kg

- **Robot cable length**
  - Standard: 3.5 m

- **Option**
  - 3.5 m

- **Controller**
  - RCX340

Note 1. This is the value at a constant ambient temperature. (X-Y axis)
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.

Note. Please consult YAMAHA when connecting other tubes and cables to the self-supporting machine harness.

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/