YK600XGS
Wall-mount / inverse type

### Ordering method

<table>
<thead>
<tr>
<th>Model</th>
<th>Installation method</th>
<th>Z-axis stroke</th>
<th>Tool-flange diameter</th>
<th>Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>YK600XGS</td>
<td></td>
<td>300 mm</td>
<td>300 mm</td>
<td></td>
</tr>
<tr>
<td>RCX340-4</td>
<td></td>
<td>200 mm</td>
<td>200 mm</td>
<td></td>
</tr>
<tr>
<td>RCX240</td>
<td></td>
<td>200 mm</td>
<td>200 mm</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>X-axis</th>
<th>Y-axis</th>
<th>Z-axis</th>
<th>R-axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 mm</td>
<td>300 mm</td>
<td>200 mm</td>
<td>–</td>
</tr>
</tbody>
</table>

- **Deceleration mechanism**: Speed reducer
  - Transmission method: Motor to speed reducer
  - Deceleration method: Direct-coupled

- **Maximum payload**: 10 kg (Standard specifications), 9 kg (Option specifications)

- **Standard cycle time**: 1.7 mm/sec

- **R-axis tolerable moment of inertia**: 0.3 kgm²

- **User wiring**: 0.2 mm² x 20 wires

- **User tubing (Outer diameter)**: 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

### Controller

<table>
<thead>
<tr>
<th>Controller</th>
<th>Power capacity (VA)</th>
<th>Operation method</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCX340</td>
<td>1700</td>
<td>Programm. / I/O point trace / Remote command / Operation using RS-232C communication</td>
</tr>
<tr>
<td>RCX240</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1. **This is the value at a constant ambient temperature.** (X, Y, Z axes)

Note 2. When reciprocating 300 mm in horizontal and 25 mm in vertical directions.

Note 3. **There are limits to acceleration coefficient settings.** See 539.

### Note

- **Harmonic** and **Harmonic drive** are the registered trademarks of Harmonic Drive Systems Inc.

- **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:

http://global.yamaha-motor.com/businessa/robot/

### YK600XGS

- **Arm length**: 600 mm
- **Maximum payload**: 10 kg

### Note 1

When installing the robot, always follow the specifications. Do not install in the ceiling-mount robot upside down or do not install the inverse type robot to a ceiling. Incorrect installation can cause trouble or malfunction.

### Note 2

There are limits to acceleration coefficient settings. See 539.

### Note 3

When reciprocating 300 mm in horizontal and 25 mm in vertical directions.