## Ordering method

**Model**
- YK500TW - 130

**Controller**
- RCX340
- RCX240

**Specifications**

<table>
<thead>
<tr>
<th>Axis</th>
<th>X-axis</th>
<th>Y-axis</th>
<th>Z-axis</th>
<th>R-axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm length</td>
<td>250 mm</td>
<td>250 mm</td>
<td>130 mm</td>
<td>-</td>
</tr>
<tr>
<td>Rotation angle</td>
<td>+/-225°</td>
<td>+/-225°</td>
<td>-</td>
<td>+/-720°</td>
</tr>
</tbody>
</table>

**AC servo motor output**
- 750 W
- 400 W
- 200 W
- 105 W

**Deceleration mechanism**
- **Speed reducer**
  - Harmonic drive
- **Transmission method**
  - Ball screw

**Maximum payload**
- 5 kg (RCX340), 4 kg (RCX240)

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

**Note 2.** For the option specifications (tool flange mount type), the maximum payload becomes 4 kg (RCX340) or 3 kg (RCX240).

**Note 3.** When moving a 1 kg load back and forth 300 mm horizontally and 25 mm vertically (rough positioning arch motion).

**Note 4.** Limits must be placed on parameters such as acceleration according to the moment of inertia being used. See P.536.

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**Controller**

- **Power capacity (VA)**: 2500
- **Operation method**
  - Programming / I/O point trace / Remote command / Operation using RS-232C communication

**R-axis moment of inertia (load inertia)**

- Recommended positional relationship between the load weight and the offset amount from the center of the R-axis (center of gravity position).

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