### Ordering method

**HXYx-C**

- **Model**: HXYx
- **Cable**: RCX240-R
- **Gantry type**: 3 axes / ZL
- **Motor type**: **Z-axis**: clamped base / moving table type (200W)

#### Specification

<table>
<thead>
<tr>
<th>Axis</th>
<th>X-axis</th>
<th>Y-axis</th>
<th>Z-axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axis construction</td>
<td>F20</td>
<td>F17</td>
<td>F14H-BK</td>
</tr>
<tr>
<td>AC servo motor output (W)</td>
<td>600</td>
<td>400</td>
<td>200</td>
</tr>
<tr>
<td>Repeatability (mm)</td>
<td>+/-0.01</td>
<td>+/-0.01</td>
<td>+/-0.01</td>
</tr>
<tr>
<td>Drive system</td>
<td>Ball screw (Class C7)</td>
<td>Ball screw (Class C7)</td>
<td>Ball screw (Class C7)</td>
</tr>
<tr>
<td>Ball screw lead (Deceleration ratio) (mm)</td>
<td>20</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Maximum speed (mm/sec)</td>
<td>2000</td>
<td>2000</td>
<td>600</td>
</tr>
<tr>
<td>Moving range (mm)</td>
<td>250 to 1250</td>
<td>250 to 1050</td>
<td>250 to 550</td>
</tr>
<tr>
<td>Robot cable length (m)</td>
<td>Standard: 3.5</td>
<td>Option: 5,10</td>
<td></td>
</tr>
</tbody>
</table>

**Note 1**: Use caution that the flame machining (installation holes, tap holes) differs from single-axis robots.

**Note 2**: Positioning repeatability in one direction.

**Note 3**: When the X-axis/Y-axis stroke is longer than 850mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below.

### Maximum payload

<table>
<thead>
<tr>
<th>Z stroke (mm)</th>
<th>Y stroke (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 to 1050</td>
<td>250 to 550</td>
</tr>
</tbody>
</table>

**Note 4**: When the X-axis/Y-axis stroke is longer than 850mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.

### Controller

- **Controller**: RCX240-R
- **Operation method**: Programming / I/O point trace / Remote command / Operation using RS-232C communication

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**Diagram**

- **HXYx 3 axes / Z (G1)**
- **Controller**
- **Motor type**: **Z-axis**: clamped base / moving table type (200W)

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**Note 4**: The moving range when returning to origin and the stop position when the moving range when returning to origin and the stop position when the X-axis/Y-axis stroke is longer than 850m or 750mm or longer.

**Note 5**: Dimension of reinforced bracket (To be installed when the Y stroke is 750mm or longer)

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**Diagram Notes**

- **Note 1**: The moving range when returning to origin and the stop position when the moving range when returning to origin and the stop position when the X-axis/Y-axis stroke is longer than 850m or 750mm or longer.

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**Diagram Notes**

- **Note 2**: Use the cable extraction port.

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**Diagram Notes**

- **Note 3**: Dimension of reinforced bracket (To be installed when the Y stroke is 750mm or longer)