**HXYx 4 axes / ZRL**

### Ordering method

**Model**

- **HXYx- C**
- **ZRL**
- **RCX240**

**Controller**

- **R**
- **BB**

**Repetitive unit**

- **PCD.20**
- **M8 x 1.25 Depth20**

**Option**

- **I/O**
- **No entry:**

**Battery**

- **N**
- **M**
- **K**

**Drive system**

- Ball screw (Class C7)
- Harmonic gear

**Specifications**

<table>
<thead>
<tr>
<th>轴</th>
<th>X-axis</th>
<th>Y-axis</th>
<th>Z-axis</th>
<th>R-axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>构造</td>
<td>F20</td>
<td>F17</td>
<td>F14H-BK</td>
<td>R20</td>
</tr>
<tr>
<td>电机输出 (W)</td>
<td>600</td>
<td>400</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>重复精度 (XY:ZX:YZ)</td>
<td>+/-0.01</td>
<td>+/-0.01</td>
<td>+/-0.01</td>
<td>+/-0.0083</td>
</tr>
<tr>
<td>最大速度 (XYZ: R)</td>
<td>1200</td>
<td>1200</td>
<td>600</td>
<td>360</td>
</tr>
<tr>
<td>移动范围 (XYZ: R)</td>
<td>250 to 1250</td>
<td>250 to 1050</td>
<td>250 to 550</td>
<td>360</td>
</tr>
<tr>
<td>电缆长度 (m)</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Maximum payload**

<table>
<thead>
<tr>
<th>Z stroke (mm)</th>
<th>250 to 550</th>
</tr>
</thead>
<tbody>
<tr>
<td>255 to 1050</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

**Controller**

- **RCX240-R**

**Operation method**

- Programming / I/O point trace / Remote command / Operation using RS-232c communication

**Dimensions**

- **X stroke**: 250 to 550
- **Y stroke**: 250 to 550
- **Z stroke**: 250 to 550

**Maximum speeds**

<table>
<thead>
<tr>
<th>X-axis</th>
<th>Y-axis</th>
<th>Z-axis</th>
<th>速度设置</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td>960</td>
<td>840</td>
<td>720</td>
</tr>
<tr>
<td>600</td>
<td>480</td>
<td>420</td>
<td>360</td>
</tr>
<tr>
<td>10%</td>
<td>80%</td>
<td>50%</td>
<td>40%</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.

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 at the left.

Note 5. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.

Note 6. User cable extraction port.

Note 7. Dimension of reinforced bracket (To be installed when the Y stroke is 750mm or longer).