

### 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>AC servo motor output</td>
<td>50 W</td>
<td>30 W</td>
<td>30 W</td>
<td>30 W</td>
</tr>
<tr>
<td>Deceleration mechanism</td>
<td>Transmission method</td>
<td>Motor to speed reducer</td>
<td>Speed reducer to output</td>
<td>Direct-coupled</td>
</tr>
<tr>
<td>Repeatability</td>
<td>+/-0.01 mm</td>
<td>+/-0.01 mm</td>
<td>+/-0.004°</td>
<td></td>
</tr>
<tr>
<td>Maximum speed</td>
<td>3.3 m/sec</td>
<td>0.7 m/sec</td>
<td>1700°/sec</td>
<td></td>
</tr>
<tr>
<td>Maximum payload</td>
<td>3.5 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-axis tolerable moment of inertia</td>
<td>0.01 kgm²</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Robot cable length**
- Standard: 3.5 m
- Option: 5 m, 10 m

**Robot cable weight**
- 1.5 kg (3.5 m)
- 2.1 kg (5 m)
- 4.2 kg (10 m)

**User tubing**
- 1 (ϕ 4)
- 2 (ϕ 3)

**Connector for user wiring**
- J.S.T. Mf Co., Ltd. SM connector SMR-6VB, pin SYM-001T-P0.6 (supplied)
- Use the YC12 crimping tool.

**Connector for user wiring (No. 1 to 6 usable, socket contact)**
- J.S.T. Mf Co., Ltd. SM connector SMR-6VB, pin SYM-001T-P0.6 (supplied)
- Use the YC12 crimping machine.

**User tubing**
- 1 (ϕ 4)
- 2 (ϕ 3)

**Controller**
- Controller: RCX340
- Power capacity (VA): 500
- Operation method: Programming / I/O point trace / Remote command / Operation using RS-232C communication

**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:
https://global.yamaha-motor.com/business/robot/