Arm length 800mm
Maximum payload 20kg

■ Ordering method



Note 1. When installing the robot, always follow the specifications.

Do not install 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. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.

Note 3. Available only for the master.

| ■ Specifications | | | | | | | |
|--|--------------------|-------------------------|--|----------------|---------|-------|--|
| | | | X-axis | Y-axis | Z-a | xis | R-axis |
| Axis | Arm length (mm) | | 400 | 400 | 200 | 400 | - |
| specifications | Rotation angle (°) | | +/-130 | +/-145 | - | | +/-360 |
| AC servo motor output (W) | | | 750 | 400 | 400 | | 200 |
| Deceleration mechanism | Speed reducer | | Harmonic drive | Harmonic drive | Balls | screw | Harmonic drive |
| | Transmission | Motor to speed reducer | Direct-coupled | | | | |
| | method | Speed reducer to output | Direct-coupled | | | | |
| Repeatability Note 1 (XYZ: mm) (R: °) | | | +/-0.02 | | +/-0.01 | | +/-0.004 |
| Maximum speed (XYZ: m/sec) (R: °/sec) | | | 9. | .2 | 2.3 | 1.7 | 920 (wall-mount) 480 (inverse wall-mount) |
| Maximum payload (kg) | | | 20 | | | | |
| Standard cycle time: with 2kg payload Note 2 (sec) | | | 0.48 | | | | |
| R-axis tolerable moment of inertia Note 3 (kgm²) | | | 1.0 | | | | |
| User wiring (sq × wires) | | | 0.2 × 20 | | | | |
| User tubing (Outer diameter) | | | ф6 × 3 | | | | |
| Travel limit | | | 1.Soft limit 2.Mechanical stopper (X,Y,Z axis) | | | | |
| Robot cable length (m) | | | Standard: 3.5 Option: 5,10 | | | | |
| Weight (kg) | | | Z axis200mm: 52 Z axis400mm: 54 | | | | |

| ■ Controller | | | | | | | | |
|--------------|---------------------|---|--|--|--|--|--|--|
| Controller | Power capacity (VA) | Operation method | | | | | | |
| RCX240-R3 | 2500 | Programming / I/O point trace / Remote command / Operation using RS-232C communication | | | | | | |

Note 1. This is the value at a constant ambient temperature. (X,Y axes) Note 2. When reciprocating 300mm in horizontal and 25mm in vertical directions. Note 3. There are limits to acceleration coefficient settings. Note. Please consult YAMAHA when connecting other tubes and cables to the sel