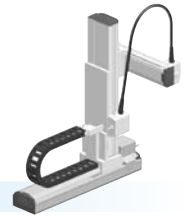


HXYx

3 axes / ZPH

- Pole type
- Cable carrier
- Z-axis: Clamped table / moving base type (200W) for Pole type



Ordering method

HXYx - C - P2

| Model | Cable | Combination | X-axis stroke | Y-axis stroke | ZR-axis | Z-axis stroke | Cable | Controller / Number of controllable axes | Safety standard | Option A (OP.A) | Option B (OP.B) | Option C (OP.C) | Option D (OP.D) | Option E (OP.E) | Absolute battery |
|-------|-------|-------------|---------------|---------------|--------------|---------------|--------------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| | | | 25 to 125cm | 25 to 95cm | ZPHL ZPHR | 25 to 65cm | 3L: 3.5m 5L: 5m 10L: 10m | RCX340-3 | | | | | | | |

Specify various controller setting items. RCX340 ▶ **P494**

RCX240

| Controller | CE Marking | Regenerative unit | Expansion I/O | Network option | IVY System | Gripper | Battery |
|------------|------------|-------------------|---------------|----------------|------------|---------|-----------|
| | | | | | | | BB |

Specify various controller setting items. RCX240/RCX240S ▶ **P481**

Specification

| | X-axis | Y-axis | Z-axis |
|---|----------------------------|-----------------------|-----------------------|
| Axis construction ^{Note 1} | F20 | F20-BK | F14H |
| AC servo motor output (W) | 600 | 600 | 200 |
| Repeatability ^{Note 2} (mm) | +/-0.01 | +/-0.01 | +/-0.01 |
| Drive system | Ball screw (Class C7) | Ball screw (Class C7) | Ball screw (Class C7) |
| Ball screw lead (Deceleration ratio) (mm) | 20 | 10 | 20 |
| Maximum speed ^{Note 3} (mm/sec) | 1200 | 600 | 1200 |
| Moving range (mm) | 250 to 1250 | 250 to 950 | 250 to 650 |
| Robot cable length (m) | Standard: 3.5 Option: 5,10 | | |

- 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. The total of the Y and Z strokes should be 1200mm or less.
- 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 below.

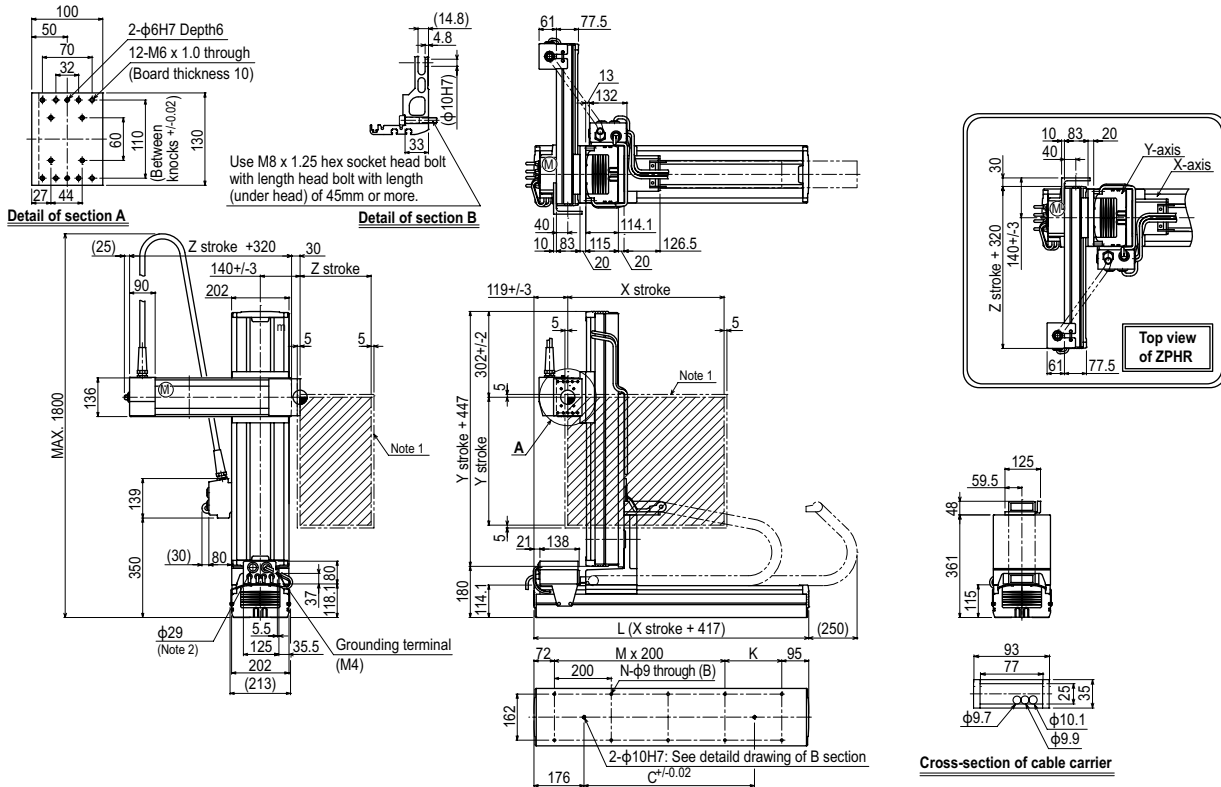
Maximum payload (kg)

| Y stroke (mm) | Z stroke (mm) |
|---------------|---------------|
| 250 to 950 | 15 |

Controller

| Controller | Operation method |
|--------------------|--|
| RCX340 RCX240-R | Programming / I/O point trace / Remote command / Operation using RS-232C communication |

HXYx 3 axes / ZPHL (P2)



| X stroke ^{Note 4} | 250 | 350 | 450 | 550 | 650 | 750 | 850 | 950 | 1050 | 1150 | 1250 | |
|--|--------|------|-----|-----|------|------|------|------|------|------|------|--|
| L | 667 | 767 | 867 | 967 | 1067 | 1167 | 1267 | 1367 | 1467 | 1567 | 1667 | |
| K | 100 | 200 | 100 | 200 | 100 | 200 | 100 | 200 | 100 | 200 | 100 | |
| C | 420 | 420 | 600 | 600 | 780 | 780 | 960 | 960 | 1140 | 1320 | 1320 | |
| M | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | |
| N | 8 | 8 | 10 | 10 | 12 | 12 | 14 | 14 | 16 | 16 | 18 | |
| Y stroke ^{Note 4} | 250 | 350 | 450 | 550 | 650 | 750 | 850 | 950 | | | | |
| Z stroke | 250 | 350 | 450 | 550 | 650 | | | | | | | |
| Maximum speed for each stroke (mm/sec) ^{Note 5} | X-axis | 1200 | | | | | 960 | 840 | 720 | 600 | 480 | |
| Y-axis | 600 | | | | | 480 | 420 | | | | | |
| Speed setting | - | | | | | 80% | 70% | 60% | 50% | 40% | | |

- Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
- Note 2. User cable extraction port.
- Note 3. This figure shows the combination for ZPHL. For the combination for ZPHR, see the top view in the figure.

- Note 4. The total of the Y and Z strokes should be 1200mm or less.
- Note 5. 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.