

# YP320XR 3 axes



## Ordering method

**YP320XR**   **RCX340-3**                

**Model** **Cable length** **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**

3L: 3.5m  
5L: 5m  
10L: 10m

**Specify various controller setting items. RCX340 ▶ P.494**

**RCX240S**             **BB**

**Controller** **CE Marking** **Expansion I/O** **Network option** **iVY System** **Gripper** **Battery**

**Specify various controller setting items. RCX240/RCX240S ▶ P.481**

## Specifications

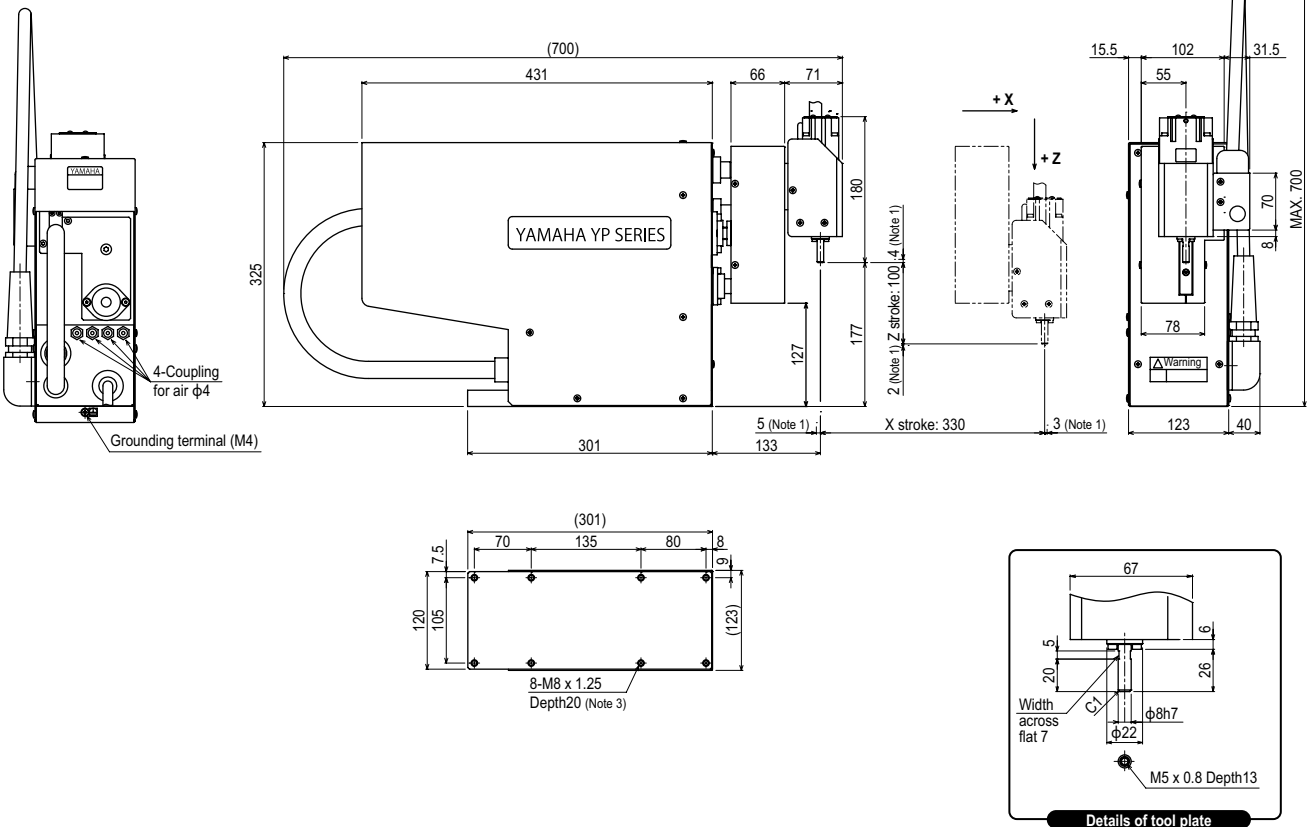
	X axis	Z axis	R axis
AC servo motor output (W)	200	200	60
Repeatability <sup>Note 1</sup> (XZ: mm) (R: °)	+/-0.02	+/-0.05	+/-0.1
Drive system	Ball screw (C7 class)	Timing belt	Ball Reducer
Deceleration ratio (mm)	Equivalent to lead 20	Equivalent to lead 25	1/18
Maximum speed <sup>Note 2</sup> (XZ: mm/sec) (R: °/sec)	1500	1500	1000
Moving range (XZ: mm) (R: °)	330	100	+/-180
Cycle time (sec)	0.67 <sup>Note 3</sup> , 0.87 <sup>Note 4</sup>		
Maximum payload (kg)	1		
R-axis allowable moment inertia (kgm <sup>2</sup> [kgfcm <sup>2</sup> ])	0.00098 [0.01]		
Robot cable length (m)	Standard: 3.5 Option: 5,10		
Weight (kg)	23		

Note 1. Positioning repeatability precision in a single swing when residual vibration is stabilized (variable depending on the load and stroke).  
 Note 2. When the moving stroke is short, the maximum speed may not be reached.  
 Note 3. Reciprocating time in vertical direction (50mm) and longitudinal direction (150mm) with the arch amount of 50 (when executing rough-positioning arch motion with 1kg load).  
 Note 4. Reciprocating time in vertical direction (25mm) and longitudinal direction (300mm) with the arch amount of 25 (when executing rough-positioning arch motion with 1kg load).

## Controller

Controller	Power consumption (VA)	Operating method
RCX340 RCX240S	700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

## YP320XR



Note1. Distance to mechanical stopper.  
 Note2. Return-to-origin on the YP320XR is by absolute reset. So the origin position must be set the first time (making initial settings) but after that is not required.  
 Note3. Do not use bolts longer than 20mm (robot bottom plate thickness).