

# YP220BXR 3 axes



## Ordering method

**YP220BXR**

Model	Cable length
	3L: 3.5m
	5L: 5m
	10L: 10m

**RCX340-3**

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

**RCX240S**

Controller	CE Marking	Expansion I/O	Network option	iVY System	Gripper	Battery
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Specify various controller setting items. RCX240/RCX240S ▶ **P.481**

APPLICATION  
TRANSEROVO  
Compact single-axis robots

FLIP-X  
Single-axis robots

PHASER  
Linear motor single-axis robots

XY-X  
Cartesian robots

YK-X  
SCARA robots

YP-X  
Pick & place robots

CLEAN

CONTROLLER INFORMATION

2-axes

3-axes

4-axes

## Specifications

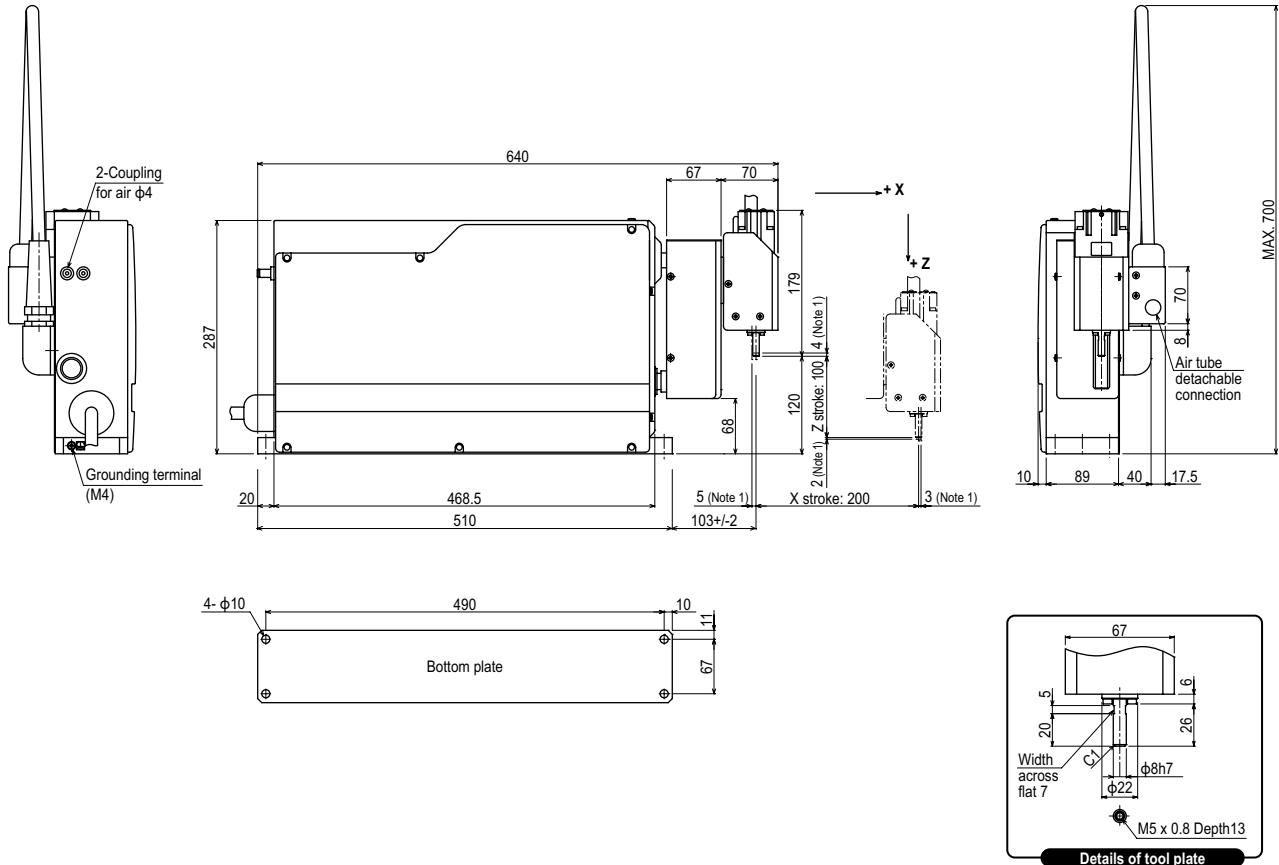
	X axis	Z axis	R axis
AC servo motor output (W)	200	200	60
Repeatability <sup>Note 1</sup> (mm)	+/-0.05	+/-0.05	+/-0.1
Drive system	Timing belt	Timing belt	Ball Reducer
Deceleration ratio (mm)	Equivalent to lead 24	Equivalent to lead 20	1/18
Maximum speed <sup>Note 2</sup> (XZ: mm/sec) (R: °/sec)	1440	1200	1000
Moving range (XZ: mm) (R: °)	200	100	+/-180
Cycle time (sec)	0.62 <sup>Note 3</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)	19		

## Controller

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

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).

## YP220BXR



Note1. Distance to mechanical stopper.  
 Note2. Return-to-origin on the YP220BXR is by absolute reset. So the origin position must be set the first time (making initial settings) but after that is not required.