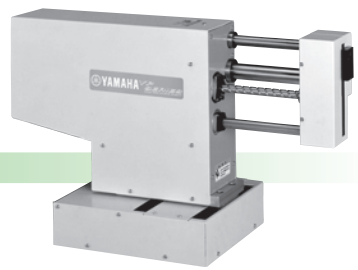


# YP330X 3 axes



## Ordering method

<b>YP330X</b>		<b>RCX240</b>				<b>BB</b>
<b>Model</b>	<b>Cable length</b>	<b>Controller</b>	<b>Usable for CE</b>	<b>Expansion I/O</b> <small>Note 1</small>	<b>Network option</b>	<b>Battery</b>
	3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72	No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link <small>Note 2</small>	BB: 4 pcs

Note 1. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.  
 Note 2. Available only for the master.

## Specifications

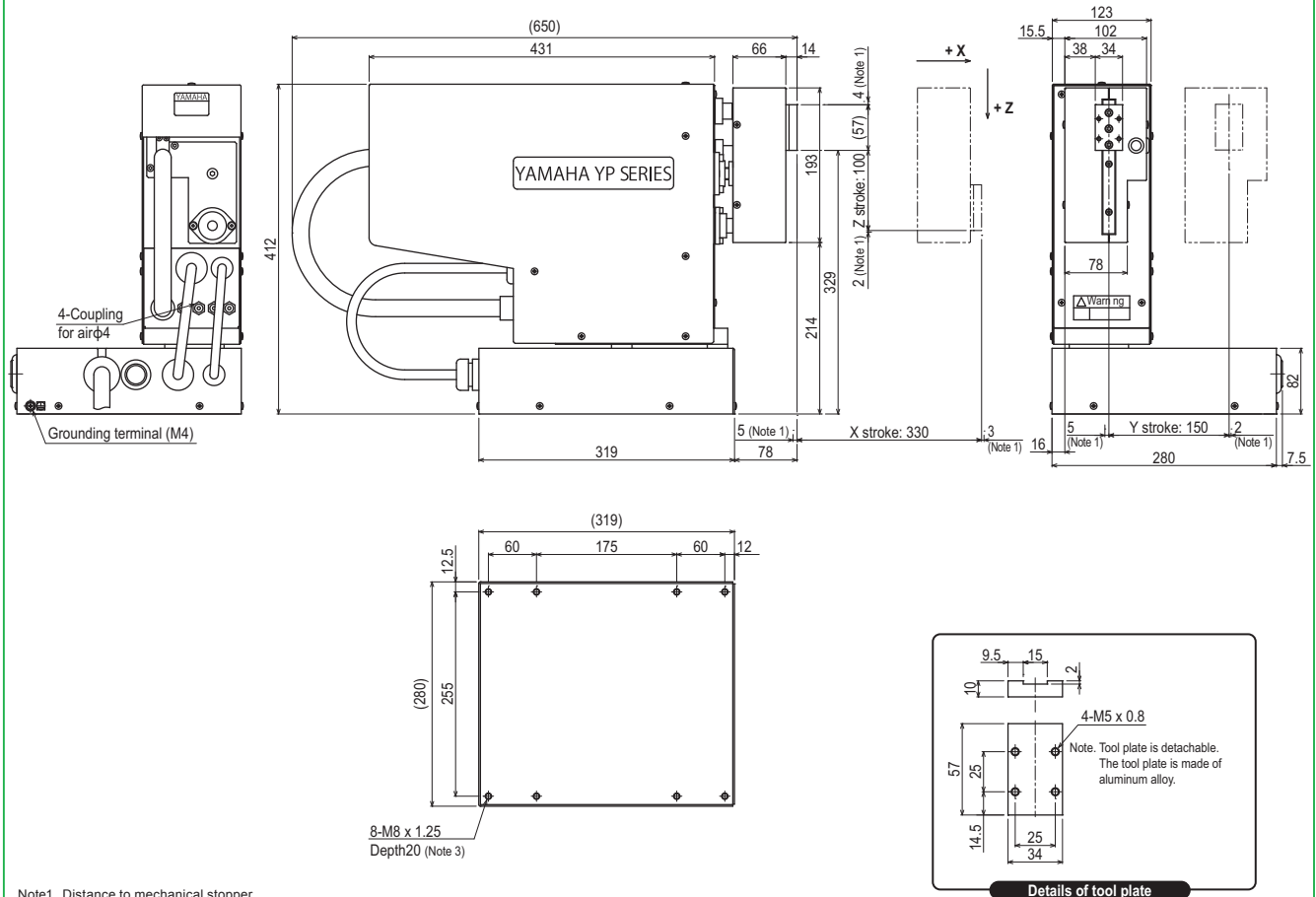
	X axis	Y axis	Z axis
<b>AC servo motor output (W)</b>	200	200	200
<b>Repeatability</b> <small>Note 1</small> (mm)	+/-0.02	+/-0.02	+/-0.05
<b>Drive system</b>	Ball screw (C7 class)	Ball screw (C7 class)	Timing belt
<b>Deceleration ratio (mm)</b>	Equivalent to lead 20	Equivalent to lead 20	Equivalent to lead 25
<b>Maximum speed</b> <small>Note 2</small> (mm/sec)	1500	1000	1500
<b>Moving range (mm)</b>	330	150	100
<b>Cycle time (sec)</b>	0.57 <small>Note 3</small> , 0.78 <small>Note 4</small>		
<b>Maximum payload (kg)</b>	3		
<b>Robot cable length (m)</b>	Standard: 3.5 Option: 5,10		
<b>Weight (kg)</b>	32		

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
RCX240	700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

## YP330X



Note 1. Distance to mechanical stopper.  
 Note 2. Return-to-origin on the YP330X is by absolute reset. So the origin position must be set the first time (making initial settings) but after that is not required.  
 Note 3. Do not use bolts longer than 20mm (robot bottom plate thickness).