

YP330X 3 axes



Ordering method

YP330X

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

Specify various controller setting items. RCX340 ▶ **P.508**

RCX240S

Controller

CE Marking

Expansion I/O

Network option

iVY System

Gripper

Battery

Specify various controller setting items. RCX240/RCX240S ▶ **P.495**

Specifications

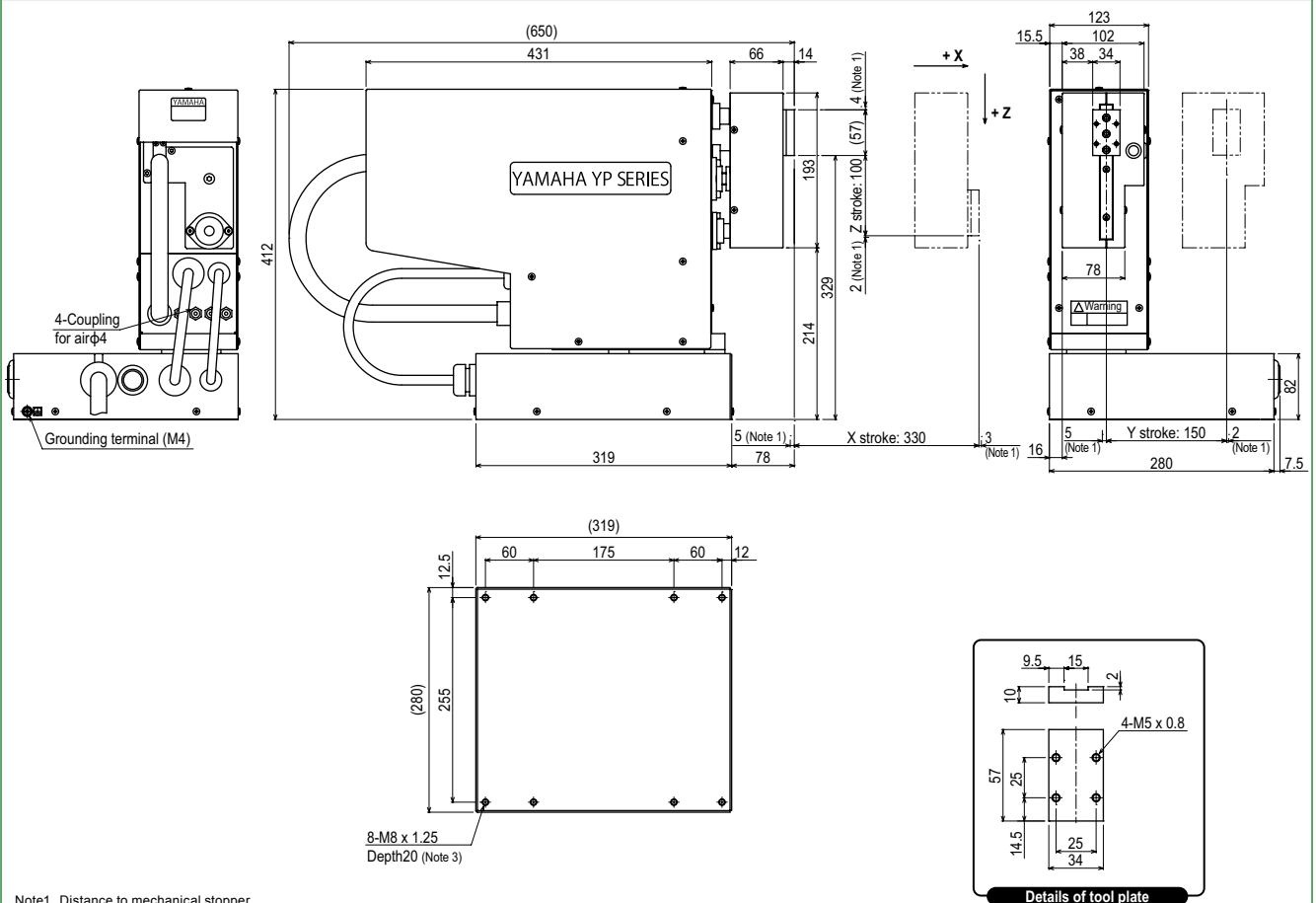
	X axis	Y axis	Z axis
AC servo motor output (W)	200	200	200
Repeatability ^{Note 1} (mm)	+/-0.02	+/-0.02	+/-0.05
Drive system	Ball screw (C7 class)	Ball screw (C7 class)	Timing belt
Deceleration ratio (mm)	Equivalent to lead 20	Equivalent to lead 20	Equivalent to lead 25
Maximum speed ^{Note 2} (mm/sec)	1500	1000	1500
Moving range (mm)	330	150	100
Cycle time (sec)	0.57 ^{Note 3} , 0.78 ^{Note 4}		
Maximum payload (kg)	3		
Robot cable length (m)	Standard: 3.5 Option: 5,10		
Weight (kg)	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
RCX340 RCX240S	700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

YP330X



Note1. Distance to mechanical stopper.
 Note2. 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.
 Note3. Do not use bolts longer than 20mm (robot bottom plate thickness).

Controller

RCX340 ▶ 508 RCX240S ▶ 495

APPLICATION
 Linear conveyor modules
 LCMT100
 TRANSEURO
 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