YP340X 4 axes

Ordering method

YP340X - [ ] - **RCX340-4** - [ ] [ ] [ ] [ ] [ ] [ ] [ ]

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

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

Specify various controller setting items. RCX340 ▶ P.566

Specifications

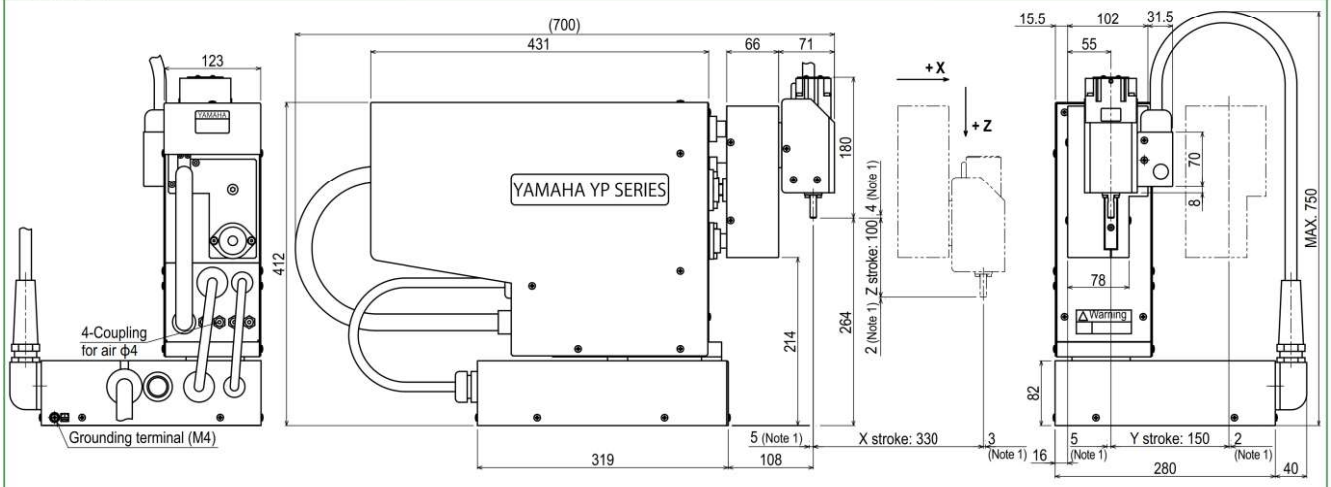
	X axis	Y axis	Z axis	R axis
AC servo motor output (W)	200	200	200	60
Repeatability Note 1 (XYZ: mm)(R: °)	+/-0.02	+/-0.02	+/-0.05	+/-0.1
Drive system	Ball screw ϕ15	Ball screw ϕ15	Timing belt	Ball Reducer
Deceleration ratio (mm)	Equivalent to lead 20	Equivalent to lead 20	Equivalent to lead 25	1/18
Maximum spee Note 2 (XYZ: mm/sec) (R: °/sec)	1500	1000	1500	1000
Moving range (XYZ: mm) (R: °)	330	150	100	+/-180
Cycle time (sec)	0.67 Note 3, 0.87 Note 4			
Maximum payload (kg)	1			
R-axis allowable moment inertia (kgm^2[$kgfcms^2$])	0.00098 [0.01]			
Robot cable length (m)	Standard: 3.5 Option: 5,10			
Weight (kg)	34			

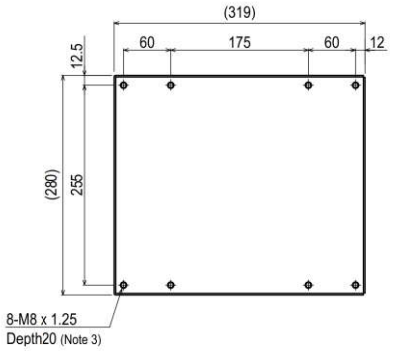
Note 1. Positioning repeatability precision in a single swing when residual vibration is stabilized (variable depending on the load and stroke).
Note 2. When the moving stroke is short, the maximum speed may not be reached.
Note 3. Reciprocating time in vertical direction (50mm) and longitudinal direction (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).

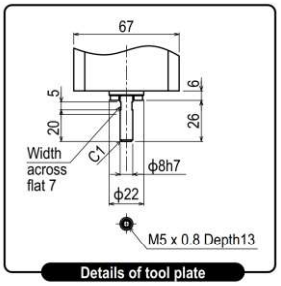
Controller

Controller	Power consumption (VA)	Operating method
RCX340	800	Programming / I/O point trace / Remote command / Operation using RS-232C communication

YP340X







Details of tool plate

Note 1. Distance to mechanical stopper.
Note 2. Return-to-origin on the YP340X 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).