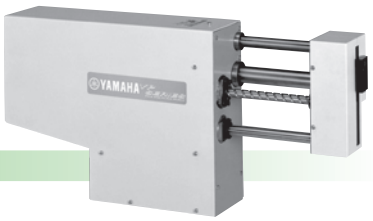
YP320X 2 axes



Ordering method

YP320X – [ ] – RCX222 – [ ] – [ ] – [ ]

Model	Cable length	Controller	Usable for CE	Inputs/Outputs selection 1	Inputs/Outputs selection 2
YP320X	3L: 3.5m (Standard) 5L: 5m 10L: 10m	RCX222 DRCX0505	No entry: Standard E: CE marking	N: NPN Note 2 P: PNP CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet Note 2 Note 1. YC: YC-Link Note 1	No entry: None N1: OP.DIO24/16 (NPN) Note 2 P1: OP.DIO24/17 (PNP) EN: Ethernet Note 2 Note 3

Note1. Available only for the master.
Note2. With the CE marking, it is not possible to select NPN or Ethernet.
Note3. Only when you have selected CC, DN or PB for Input/Output selection 1, you can select EN for Input/Output selection 2.

Specifications

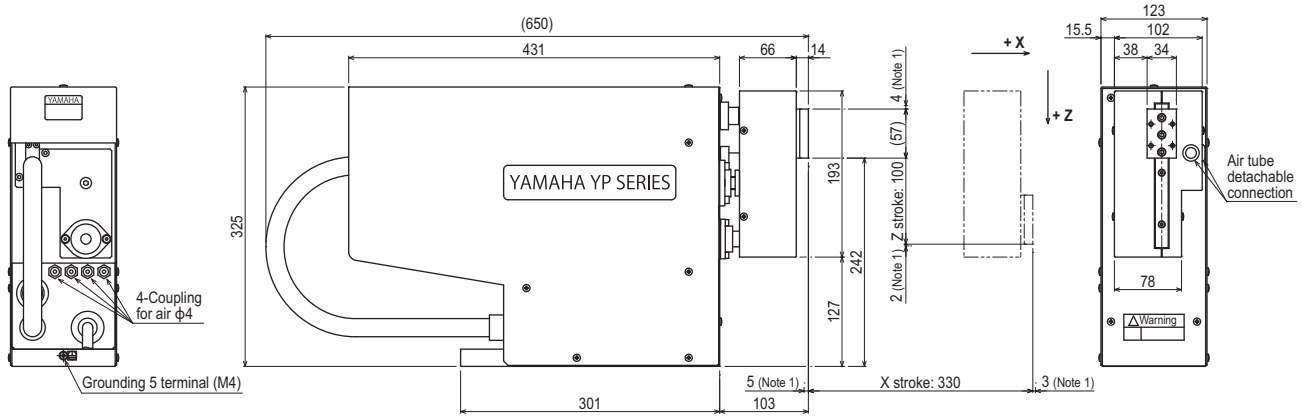
	X axis	Z axis
AC servo motor output (W)	200	200
Repeatability Note 1 (mm)	+/-0 02	+/-0.05
Drive system	Ball screw (C7 class)	Timing belt
Deceleration ratio (mm)	Equivalent to lead 20	Equivalent to lead 25
Maximum speed Note 2 (mm/sec)	1500	1500
Moving range (mm)	330	100
Cycle time (sec)	0 57 Note 3, 0.78 Note	
Maximum payload (kg)	3	
Robot cable length (m)	Standard: 3.5 Option: 5,10	
Weight (kg)	21	

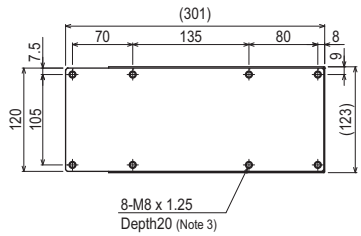
Note 1. Positioning repeatability precision in a single swing when residual vibration is stabilized (variable depending on the load and stroke).
Note 2. When the moving stroke is short, the maximum speed may not be reached.
Note 3. Reciprocating time in vertical direction (50mm) and longitudinal direction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

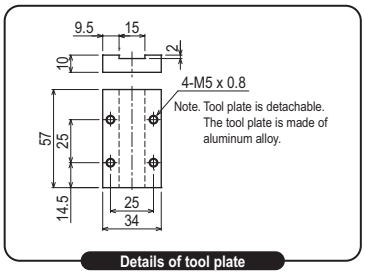
Controller

Controller	Power consumption (VA)	Operating method
RCX222	500	Programming / /O point trace / Remote command / Operation using RS-232C communication
DRCX0505	500	

YP320X







Note 1. Distance to mechanical stopper.
Note 2. Return-to-origin on the YP320X 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).