

### Ordering method

**SXYx - S - P1 - 65 - 45 - 3L - DRCX - 1005 - E - CC - B1**

Model	Cable	Combination	X-axis stroke	Y-axis stroke	Cable length	Controller	Driver model	Usable for CE	Network	Battery
		P1	15 to 85	15 to 55	3L, 5L, 10L	Note: For the details of the controller, please refer to the catalog of Yamaha Controllers.				

## Specification

	X-axis	Y-axis
Motor output	200W	100W
Repeatability <sup>Note 1</sup>	+/-0.01mm	+/-0.01mm
Drive system	Ball screw(Class C7)	Ball screw(Class C7)
Ball screw lead(Deceleration ratio)	20mm	10mm
Maximum speed <sup>Note 2</sup>	1200mm/sec	600mm/sec
Moving range	150 to 850mm	150 to 550mm
Robot cable length	Standard : 3.5m    Option : 5m, 10m	
Controller	DRCX1005,RCX142	

### Maximum load capacity

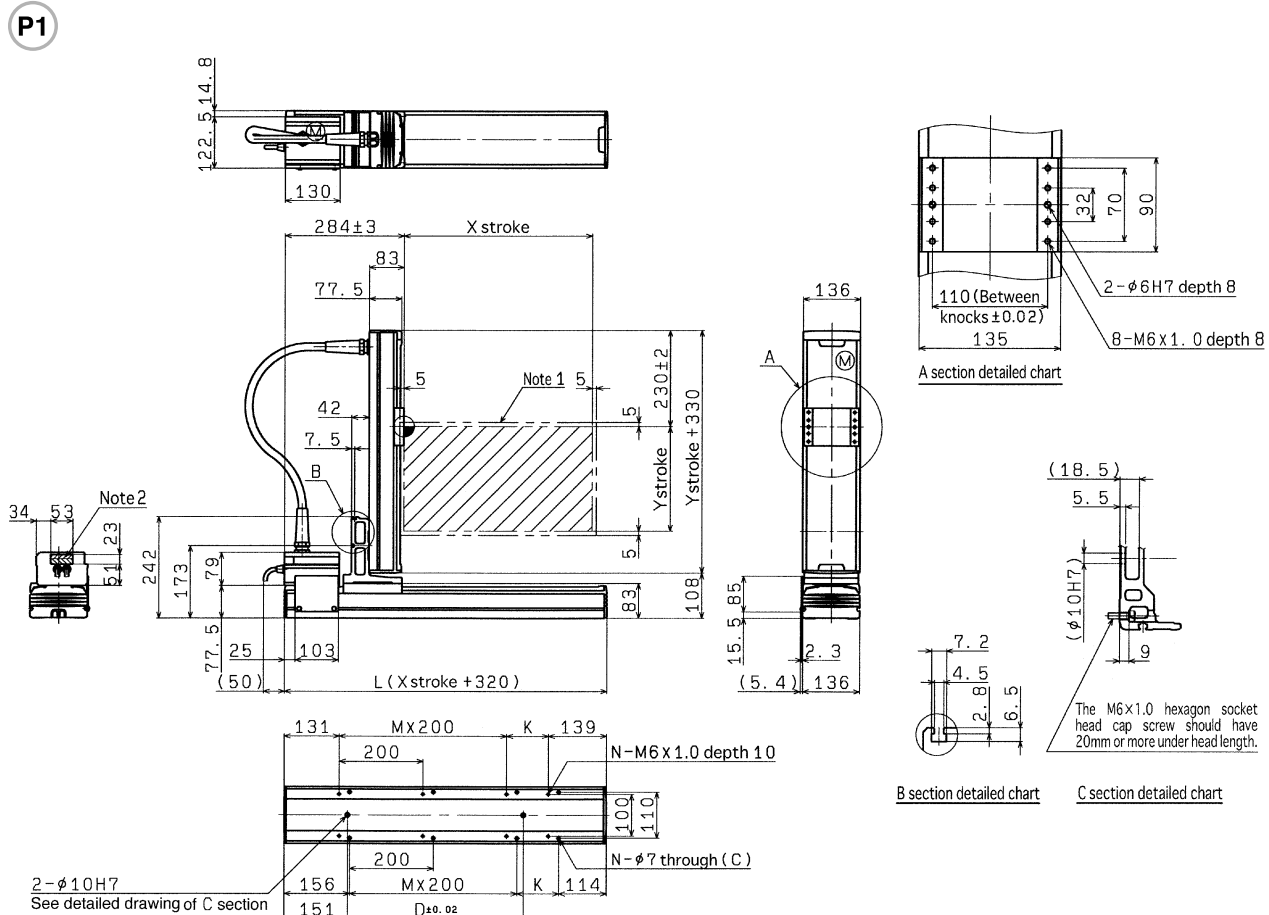
Y stroke	XY 2 axes
150 to 550mm	8kg

Note 1 : Repeatability for single oscillation.

Note 2 : The total of the X and Y strokes should be 1100mm or less.

**Note 3 :** When the X-axis stroke exceeds 750mm, resonance of a ball screw may occur depending on the operation range (dangerous speed). In such case, make an adjustment to reduce the speed using the corresponding parameter or program and referring to the table below for the maximum speed as a guide.

Axis	X-axis	
Stroke (mm)	750	850
Maximum speed (mm/sec)	960	780
Speed setting	80%	65%



X stroke	150	250	350	450	550	650	750	850
L	470	570	670	770	870	970	1070	1170
K	200	100	200	100	200	100	200	100
D	240	240	420	420	600	600	780	780
M	0	1	1	2	2	3	3	4
N	4	6	6	8	8	10	10	12

X stroke	150	250	350	450	550	
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Note : The total of the X and Y strokes should be 1100mm or less.

**Note 1 :** The moving range when returning to origin and the stop position when stopping by the mechanical stopper.

Note 2 : Theshaded position indicates the port where the user cable is taken out.