

Ordering method

SXYx - S - A1 - 85 - 65 - 3L - RCX222 - E - N - N1

Model - Cable - Combination - X-axis stroke - Y-axis stroke - Cable length - Controller - Usable for CE - Input/Output Selection 1 - Input/Output Selection 2

A1 to A4 | 15 to 85 | 15 to 65 | 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 ^{Note 1}	+/-0.01mm	+/-0.01mm
Drive system	Ball screw(Class C7)	Ball screw(Class C7)
Ball screw lead/Deceleration ratio	20mm	20mm
Maximum speed ^{Note 2}	1200mm/sec	1200mm/sec
Moving range	150 to 850mm	150 to 650mm
Robot cable length	Standard : 3.5m Option : 5m, 10m	
Controller	RCX222,RCX142,DRCX1005	

Maximum load capacity

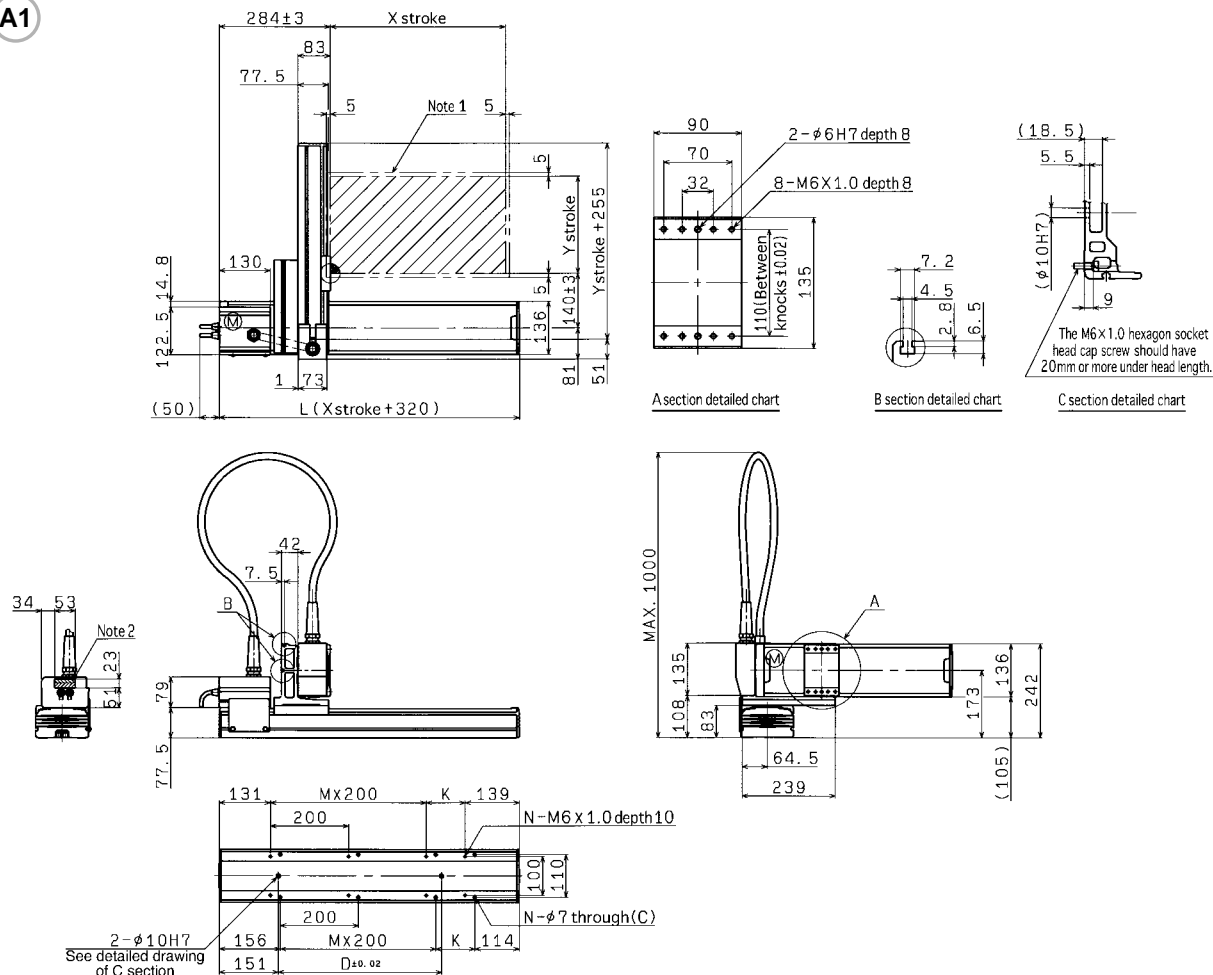
Y stroke	XY 2 axes
150mm	20kg
250mm	17kg
350mm	15kg
450mm	13kg
550mm	11kg
650mm	9kg

Note 1 : Repeatability for single oscillation.

Note 2 : 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%

A1



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	960
M	0	1	1	2	2	3	3	4
N	4	6	6	8	8	10	10	12

Y stroke	150	250	350	450	550	650
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Note 1 : The moving range when returning to origin and the stop position when stopping by the mechanical stopper.

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

