

NXY

3 axes / ZFH

- Arm type
- Cable carrier
- Z-axis clamped table: moving base type (200W)



Ordering method

NXY - C				ZFH			RCX240			R			BB
Model	Cable	Combination	X-axis stroke	Y-axis stroke	ZR-axis	Z-axis stroke	Cable length	Controller ^{Note 1}	Usable for CE marking	Regenerative unit	Option I/O ^{Note 2}	Network option	Battery
	A1 A3		50 to 200cm	15 to 65cm		15 to 35cm	SL: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard	R: RGU-2	N.P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72	No entry: None GC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link ^{Note 3}	BB: 4 pcs

Note 1. Reference of special order: RCX222+SR1-X
 Note 2. N to N4 if NPN was selected, or P to P4 if PNP was selected for the I/O board.
 Note 3. Available only for the master.

Specification

	X-axis	Y-axis	Z-axis
Axis construction ^{Note 1}	N15	F14	F10-BK equivalent guide-reinforced model
AC servo motor output (W)	400	100	200
Repeatability ^{Note 2} (mm)	+/-0.01	+/-0.01	+/-0.01
Drive system	Ball screw (Class C7) ϕ 15	Ball screw (Class C7) ϕ 15	Ball screw (Class C7) ϕ 15
Ball screw lead (Deceleration ratio) (mm)	20	20	10
Maximum speed (mm/sec)	1200	1200	600
Moving range (mm)	500 to 2000	150 to 650	150 to 350
Robot cable length (m)	Standard: 3.5 Option: 5,10		

Note 1. Use caution that the frame machining (installation holes, tap holes) differs from single-axis robots.
 Note 2. Positioning repeatability in one direction.

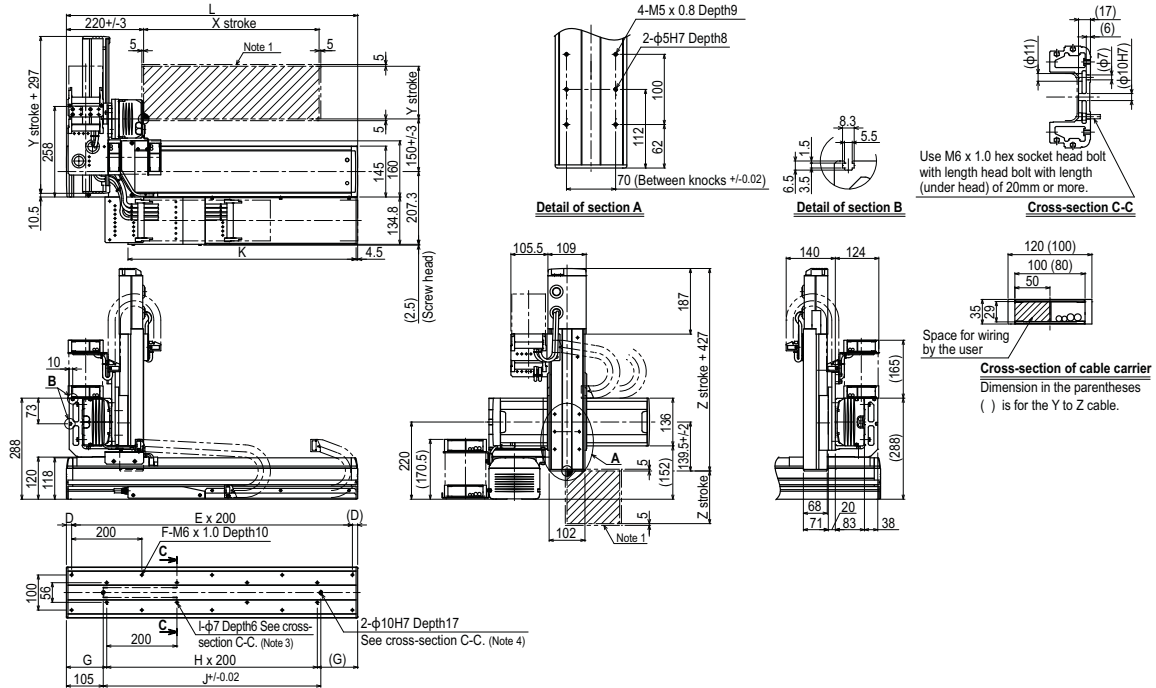
Maximum payload (kg)

Y stroke (mm)	Z stroke (mm)		
	150	250	350
150	13	13	12
250	12	11	10
350	10	9	8
450	8	7	6
550	5	4	3
650	3	2	1

Controller

Controller	Operation method
RCX240-R	Programming / I/O point trace / (BCD) Remote command / Operation using RS-232C communication

NXY 3 axes / ZFH A1



X stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
D	15	65	15	65	15	65	15	65	15	65	15	65	15	65	15	65
E	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
F	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
G	115	165	115	165	115	165	115	165	115	165	115	165	115	165	115	165
H	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
I	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
J	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120
K	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Y stroke	150	250	350	450	550	650										
Z stroke	150	250	350													

Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
 Note 2. The origin of the X axis is set originally as the drawing and it is possible to change it to the R side origin by changing parameters.
 Note 3. When using ϕ 7 holes for installation, you must not use a washer, spring washer, etc. in the main unit.
 Note 4. When using a ϕ 10H7 hole, make sure that the pin does not go into deeper than as shown in the drawing.
 Note 5. Use M4 tap of the box next to X axis for the user grounding terminal.
 Note 6. The M4 taps at both ends of the cable carriage can be used for fixing cables.

