

- Arm type
- Cable carrier
- ZR axis integrated type

### Ordering method

<b>SXYBx - C</b>				<b>ZS</b>	<b>15</b>		<b>RCX240</b>		<b>R</b>			<b>BB</b>	
<b>Model</b>	<b>Cable</b>	<b>Combination</b>	<b>X-axis stroke</b>	<b>Y-axis stroke</b>	<b>ZR-axis</b>	<b>Z-axis stroke</b>	<b>Cable length</b>	<b>Controller</b>	<b>Usable for CE</b>	<b>Regenerative unit</b>	<b>Option I/O</b> <sup>Note 1</sup>	<b>Network option</b>	<b>Battery</b>
A1			15 to 305cm	15 to 55cm	ZS12		3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	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 CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link <sup>Note 2</sup>	BB: 4 pcs
A2					ZS6								
A3													
A4													

Note 1. N to N4 if NPN was selected, or P to P4 if PNP was selected for the I/O board.  
Note 2. Available only for the master.

### Specification

	X-axis	Y-axis	Z-axis ZS12	Z-axis ZS6
<b>Axis construction</b> <sup>Note 1</sup>	B14H	B14	-	
<b>AC servo motor output (W)</b>	200	100	60	
<b>Repeatability</b> <sup>Note 2</sup> (mm)	+/-0.04	+/-0.04	+/-0.02	
<b>Drive system</b>	Timing belt	Timing belt	Ball screw (Class C10)	
<b>Ball screw lead (Deceleration ratio) (mm)</b>	Equivalent to lead 25	Equivalent to lead 25	12	6
<b>Maximum speed (mm/sec)</b>	1875	1875	1000	500
<b>Moving range (mm)</b>	150 to 3050	150 to 550	150	
<b>Robot cable length (m)</b>	Standard: 3.5 Option: 5,10			

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

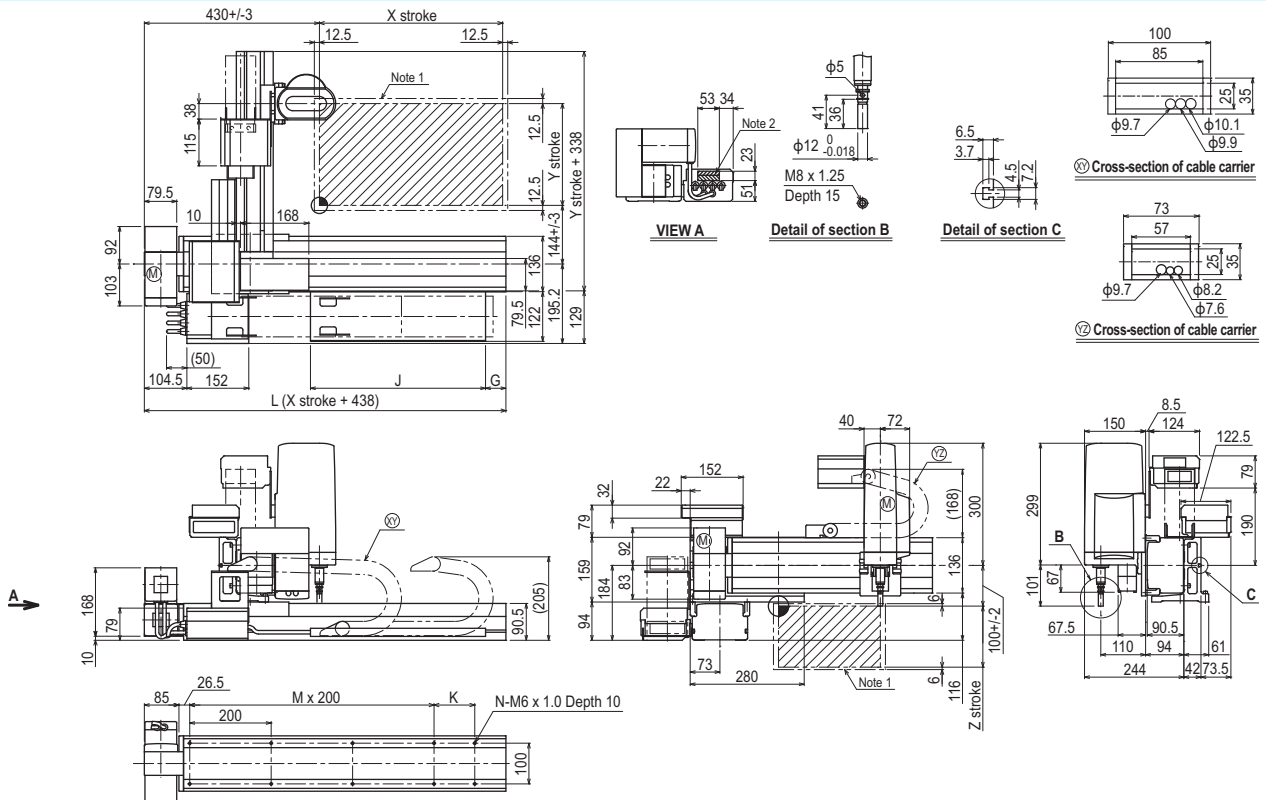
### Maximum payload (kg)

Y stroke (mm)	ZS12	ZS6
150	3	5
250	3	5
350	3	5
450	3	4
550	3	3

### Controller

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

### SXYBx 3 axes / ZS A1



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 an user cable extraction port.

X stroke	150	250	350	450	550	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050	2150	2250	2350	2450	2550	2650	2750	2850	2950	3050	
<b>L</b>	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188	2288	2388	2488	2588	2688	2788	2888	2988	3088	3188	3288	3388	3488	
<b>K</b>	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	
<b>M</b>	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	
<b>N</b>	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36	
<b>G</b>	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	
<b>J</b>	330	330	430	430	530	530	630	630	730	730	830	830	930	930	1030	1030	1130	1130	1230	1230	1330	1330	1430	1430	1530	1530	1630	1630	1730	1730	
<b>Y stroke</b>	150	250	350	450	550																										
<b>Z stroke</b>	150																														

APPLICATION  
Compact  
single-axis robots  
TRANSERO

Single-axis robots  
FLIP-X

Linear motor  
single-axis robots  
PHASER

C cartesian  
robots  
XY-X

SCARA  
robots  
YK-XG

Pick & place  
robots  
YP-X

CLEAN

CONTROLLER

INFORMATION

Arm type

Gantry type

Moving arm  
type

Pole type

XZ type