

Z-axis: clamped table / moving base type (200W)+R-axis

■ Ordering method				
MXYx - C -	- ZRFH	<b> </b>	RCX240-R	- BB
Model         -         Cable         -         Combination           G1         G2         G3         G3         G4	X-axis stroke 25 to 125cm	- Z-axis stroke 15 to 35cm   3L: 3.5m (Standard) 5L: 5m 10L: 10m	- Controller Usable for CE unit No entry: Standard E: CE marking	Option I/O Motes 1 - Network option  N.P. Standard I/O 16/6 N. Option  N.P. H: 40/24  N.P. 24 (4/40)  N.P. 28 88/56  N.P. 24 (1/47)  N.P. 38 88/56  N.P. 25 (1/47)  N.P. 38 88/56

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	R-axis	
Axis construction Note 1	F17	F14H	F10-BK equivalent guide-reinforced model	R5	
AC servo motor output (W)	400	200	200	50	
Repeatability Note 2 (XYZ mm) (R °)	+/-0 01	+/-0.01	+/-0.01	+/-0.0083	
Drive system	Ball screw (Class C7)	Ball screw (Class C7)	Ball screw (Class C7)	Harmonic gear	
Ball screw lead (Deceleration ratio) (mm)	20	20	10	(1/50)	
Maximum speed Note 3 (XYZ mm/sec) (R °/sec)	1200	1200	600	360	
Moving range (XYZ mm) (R °)	250 to 1250	150 to 850	150 to 350	360	
Robot cable length (m)	Standard: 3.5 Option: 5,10				

Note. The standard types are ZRFH with higher rigidity as compared with ZRF types which are conventional standard types. When you need the ZRF type, please consult YAMAHA.

Note 1. Use caution that the flame machining (installation holes, tap holes) differs from single-axis robots'.

Note 2. Positioning repeatability in one direction.

Note 3. When the X-axis stroke is longer than 850mm (750mm for Y-axis), resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the tab

■ Maximum payload (F				
	Z stroke (mm)			
Y stroke (mm)	150	250	350	
150	10	9	8	
250	10	9	8	
350	10	9	8	
450	10	9	8	
550	10	9	8	
650	10	9	8	
750	10	9	8	
850	8	7	6	

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

