

Moving arm type
Cable carrier

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

■ Ordering method			
MXYx- C	- RCX240	0- R-BB	}
Model Cable Combination X-axis stroke  M1 25 to 125cm 15 to 55cm	- ZR-axis stroke   ZFL20   15 to 35cm   No entry. Standard   5L: 5m   10L: 10m	Usable for CE	

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 ZFL20	Z-axis ZFL10		
Axis construction Note 1	F17	F14H	F10-BK equivalent guide-reinforced model			
AC servo motor output (W)	400	200	200			
Repeatability Note 2 (mm)	+/-0.01	+/-0.01	+/-0.01			
Drive system	Ball screw (Class C7)	Ball screw (Class C7)	Ball screw (Class C7)			
Ball screw lead (Deceleration ratio) (mm)	20	20	20	10		
Maximum speed Note 3 (mm/sec)	1200	1200	1200	600		
Moving range (mm)	250 to 1250	150 to 550	150 to 350			
Robot cable length (m)	Standard: 3.5 Option: 5,10					

Z stroke (mm) ZFL20 ZFL10 Y stroke 150 250 350 150 250 350 (mm) 150 to 550 8 8 8 12 11 10

(kg)

■ Maximum payload

Note. The standard types are ZFL with higher rigidity as compared with ZF types which are conventional standard types. When you need the

Note. The standard types are ZFL with higher rigidity as compared with ZF types which are conventional standard types. When you need the ZF 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, 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 table below.

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

