

Pole type Cable carrier

Z-axis: Clamped table / moving base type (200W) for Pole type

Ordering method

MXYx - C - P2	[]	[]	[]	[]	RCX240	R	[]	BB
Model	Cable	Combination	X-axis stroke 25 to 125cm	Y-axis stroke 15 to 65cm	ZR-axis ZPMHL	Z-axis stroke 15 to 35cm	Cable length 3L: 3.5m (Standard) 5L: 5m 10L: 10m	Controller
						Usable for CE No entry: Standard E: CE marking	Regenerative unit R: RGU-2	Option I/O Note 1 N.P. Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72
								Network option No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link Note 2
								Battery BB: 4 pcs

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
Axis construction Note 1	F17	F14H-BK	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	10	20
Maximum speed Note 3 (mm/sec)	1200	600	1200
Moving range (mm)	250 to 1250	150 to 650	150 to 350
Robot cable length (m)	Standard: 3.5 Option: 5,10		

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

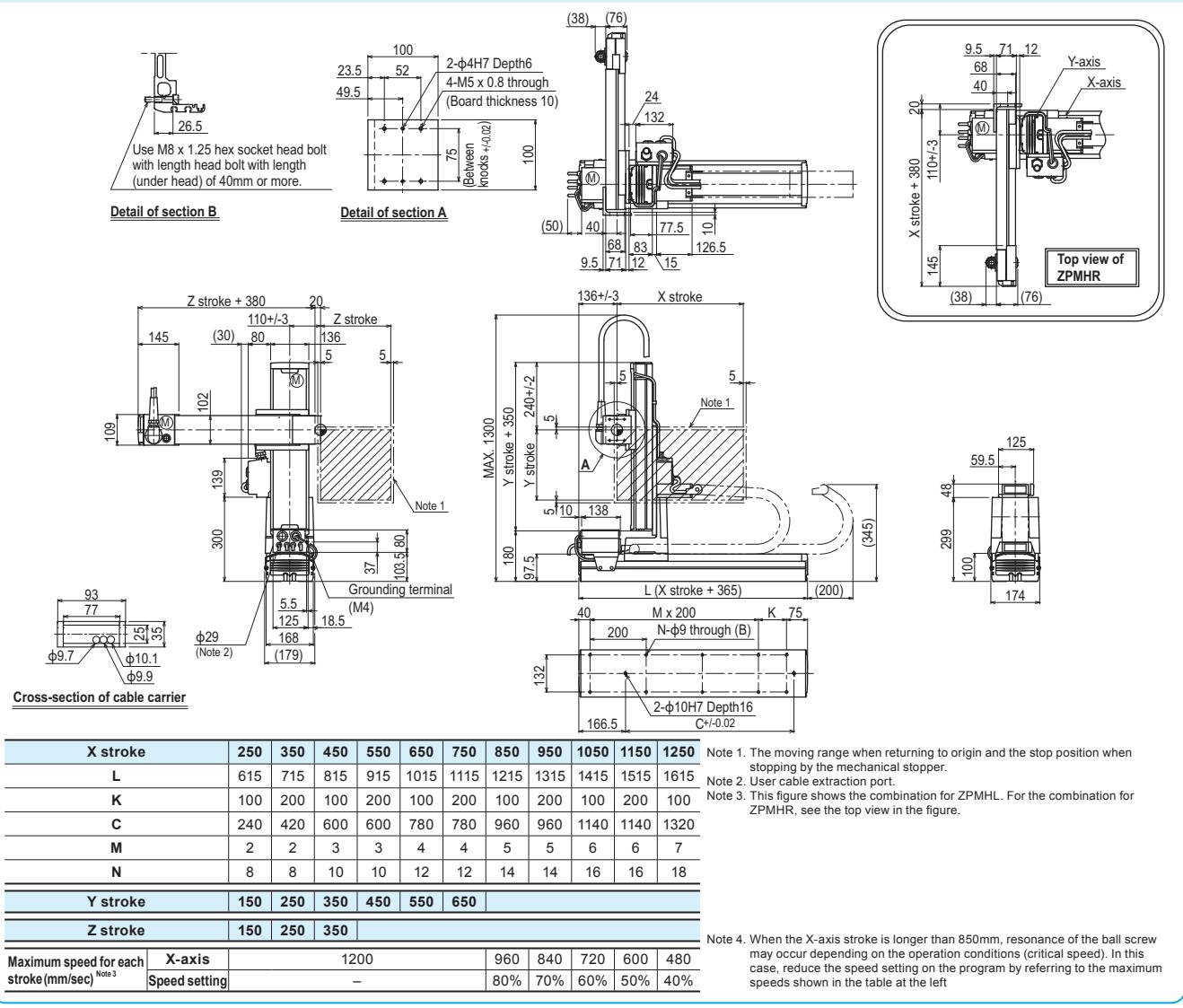
Maximum payload (kg)

	Z stroke (mm)	150	250	350
Y stroke (mm)	150 to 650	10	9	8

Controller

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

MXYx 3 axes / ZPMHL (P2)



APPLICATION	Compact robots
TRANSEROV	Single-axis robots
FLIP-X	Linear motor
PHASER	single-axis robots
XY-X	Cartesian robots
YK-XG	SCARA robots
YP-X	Pick & place robots
CLEAN	
CONTROLLER	
INFORMATION	
Arm type	
Gantry type	
Moving arm type	
Pole type	
XZ type	