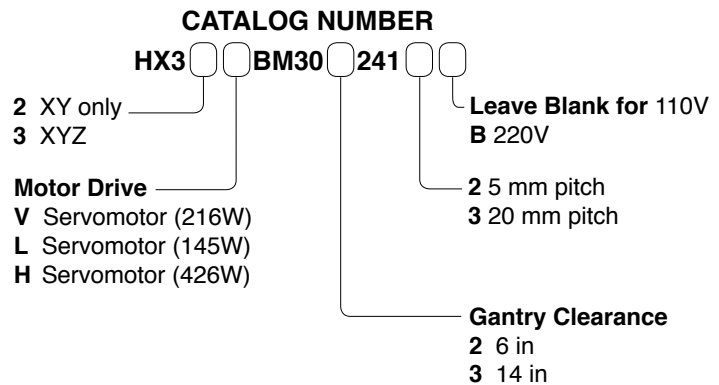


FEATURES:

- Moving gantry provides large stationary work surface
- XY travel of 30" x 24"
- All axes provided with home reference switch and far end limit switch with ± 0.01 mm (± 0.0004 in) repeatability
- Y-axis is provided with aluminum dust cover and plastic lip seals to provide protection against contaminants
- X-axis bearings and drive screw are mounted beneath the work surface to protect them from dust and debris
- 2-patented double linear rails and 4-patented double bearing blocks on each axis
- All steel high-capacity bearings on X-axis
- All models come with closed loop DL servos
- Standard anti-backlash ball screw and nut, 16 mm diameter with 5 mm pitch
- Heavy cast aluminum side plates support the Y-axis and provide increased stiffness for cutting and positioning applications
- Standard clearance under the gantry is 150 mm (5.9 in)
- Available with optional Z-axis travel of 127 mm (5 in)
- Work surface constructed of 3-flat milled 30 x 250 mm (1.2 x 9.8 in) aluminum table plates 750 mm (29.5 in) wide by 1230 mm (48.4 in) long
- Complete stepper or servo systems available with electronics, cabling and software
- Good for pick & place, testing, inspection, dispensing and assembly



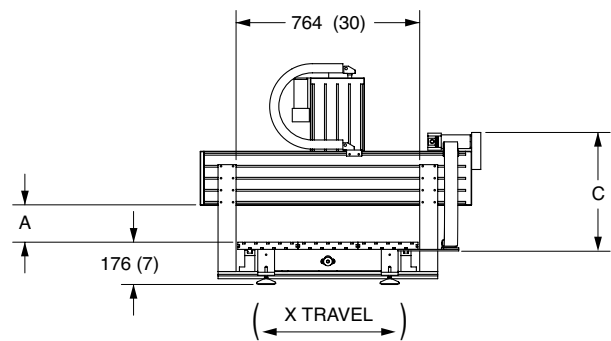
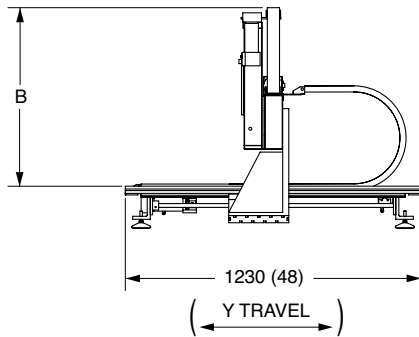
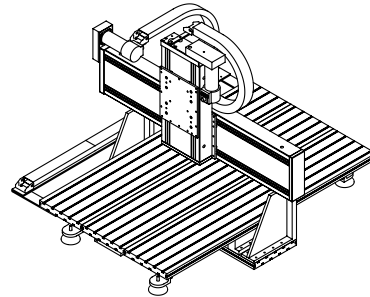
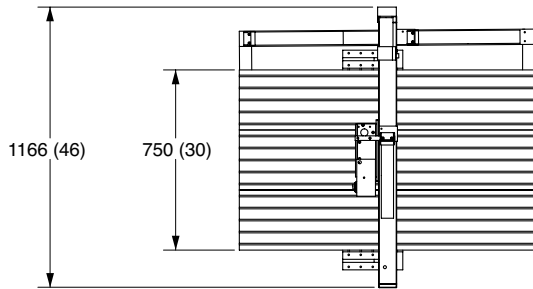
GANTRY SYSTEM LCT SELECTION



EXAMPLE: To order an XYZ gantry with 216W servos, 6 in gantry clearance, 5 mm pitch with 110V. Catalog number is **HX33VBM3022412**

NOTE: 20 mm pitch only available with high power servo package.

For mating connectors and cables, see page 119. For motor standoffs and couplings, see page 107.



See Web site for complete CAD drawings

Catalog Number	A mm (in)	B mm (in)	C mm (in)	Travel mm (in)		
				X mm (in)	Y mm (in)	Z mm (in)
HX3 □ □ BM302241 □ □	150 (5.9)	750 (29.5)	455 (17.9)	1.19 (30)	0.94 (24)	0.34 (8.7)
HX3 □ □ BM303241 □ □	300 (11.8)	900 (35.4)	595 (23.4)	1.19 (30)	0.94 (24)	0.49 (12.7)

SPECIFICATIONS		
Repeatability	±0.01 mm (± .0004 in)	
Accuracy	± 0.1 mm / 300 mm (± .004 in / 12 in)	
Max. Z-Axis Load (Dyn)	22.7 kg (50 lb)	
Motor Drives	Servo 5 mm	Servo 20 mm
No Load Speed	152 mm / sec (6 in / sec)	610 mm / sec (24 in / sec)
Thrust Force at Low Speed	34 kg (75 lb)	27 kg (60 lb)
Resolution	0.00125 mm (.0001 in)	0.01 mm (.0003 in)

NOTES ON SPECIFICATIONS:

(L) Motor is HZ2600M02436... servomotor. See specifications on page 130.

(V) Motor is HZ2600M1050... servomotor. See specifications on page 131.

(H) Motor is HZ2600M330... servomotor. See specifications on page 132.

NOTE: Dimensions in () are inch