



Magnum™

BEACON Series BMLTQD Heavy Duty Scissor Lift



Quad Type,
Electrohydraulic
50,000 to
120,000 lb.
Capacity
For Surface or
Pit Installation

BMLTQD-80-48-96168

Model Number Format

BMLTQD-80-48-96168

Series "BMLTQD"

Hydraulic Lift Table Quadruple

Capacity

80 = 80,000 lbs.

Vertical Travel

48 = 48 inches

Platform Size

96168 = 96"W x 168"L

Description

BEACON BMLTQD Series Lift Tables take heavy-duty lifting to another level of capability. These extra-heavy-duty electrohydraulic scissor lifts have capacities of 50,000 to 120,000 lbs., travel distances of 30 to 72 in. with platform sizes of 96 x 120 to 120 x 264 in.

BMLTs are designed for extremely heavy-duty lifting. From their structural strength to their high-power lifting ability, the BMLT Series brings new meaning to the term "heavy duty".

Standard Features

- Externally-mounted power unit with 10 through 15HP, 230/460V, 3PH, 60Hz, continuous duty TEFC motor. Specify required voltage
- High-pressure gear pump
- NEMA-4X constant-pressure (water-tight, dust-tight and corrosion-resistant) "UP-DOWN" push-button control station with 20 ft. coil cord and hanger bracket
- NEMA-12 prewired control box (dust/drip-tight industrial type) with liquid-tight electrical connectors. Control box contains magnetic starter, control transformer, thermal overload and fuses
- All controller components are UL and/or CSA approved
- 24V operating control voltage
- NEMA 4, 13 (water-tight, dust-tight and oil-tight) adjustable upper travel limit switch to automatically shut off motor and pump at pre-set height, plus 8 secondary mechanical upper travel back-up stops.
- Smooth steel platform
- 8 in. straight toeguards with yellow and black safety stripes
- Rectangular structural tube scissor legs and torque tubes for maximum horizontal and longitudinal stability and minimal deflection
- Dual safety restraint maintenance bars
- Positive stops on all four corners for maximum roll over capacity in lowered position
- Cylinder rod end protectors
- Surfaces degreased, oxide primed and finished with two coats of enamel
- Sealed, ram-type, full oil displacement hydraulic cylinders with hard, chrome-plated and polished stress-proof steel rams and polyurethane seals. No breather ports

- Velocity fuse at the base of each cylinder
- Axles and shafts are stress-proof shafting, hard chrome plated and polished, retained with a positive locking screw ring system and equipped with lifetime PTFE lined, composite bearings
- Aluminum valve block manifold in the external power unit contains check valve, relief valve, pressure-compensated flow control valve and down solenoid valve cartridges. The solenoid valve includes a filter screen.
- Hydraulic hose, SAE 100 R2AT double wire braid from cylinders to universal connection in the base frame
- Pressure line 25 micron cartridge filter
- 22 gal. reservoir, hydraulic oil not included

Limited Warranty Policy

Refer to Warranty Form Number WF-0901 for specific details.

Specifications are subject to change without notice.

BMLTQD Series Lift Tables are one of a group of BEACON Lift Tables and other materials handling products.



Selector Table for BMLTQD Series. Capacities 50,000 to 120,000 lbs.

Travel	Model	Capacity (pounds)	Axle Load** Maximum Concentrated	Platform Sizes (Inches)		Base Frame (Inches)	Height (Inches)		Up Speeds (seconds)	Motor Std. HP***	Cylinders (qty.)	Ship* Weight (pounds)
				Standard	Maximum		Lowered	Raised				
30"	BMLTQD-50-30	50,000	40,000	96 x 120	120 x 168	96 x 120	16	46	40	10	4	12,000
	BMLTQD-60-30	60,000	48,000	96 x 120	120 x 168	96 x 120	16	46	40	10	4	12,400
	BMLTQD-70-30	70,000	56,000	96 x 120	120 x 168	96 x 120	16	46	70	10	8	12,600
	BMLTQD-80-30	80,000	64,000	96 x 120	120 x 168	96 x 120	20	50	70	10	8	12,800
	BBMLTQD-100-30	100,000	80,000	96 x 120	120 x 168	96 x 120	20	50	100	10	12	13,200
BBMLTQD-120-30	120,000	96,000	96 x 120	120 x 168	96 x 120	20	50	100	10	12	13,600	
36"	BMLTQD-50-36	50,000	40,000	96 x 120	120 x 168	96 x 120	16	52	45	10	4	14,000
	BMLTQD-60-36	60,000	48,000	96 x 120	120 x 168	96 x 120	16	52	45	10	4	14,400
	BMLTQD-70-36	70,000	56,000	96 x 120	120 x 168	96 x 120	16	52	80	10	8	14,600
	BMLTQD-80-36	80,000	64,000	96 x 120	120 x 168	96 x 120	20	56	80	10	8	15,000
	BMLTQD-100-36	100,000	80,000	96 x 120	120 x 168	96 x 120	20	56	110	10	12	15,200
BMLTQD-120-36	120,000	96,000	96 x 120	120 x 168	96 x 120	20	56	110	10	12	15,600	
42"	BMLTQD-50-42	50,000	40,000	96 x 144	120 x 192	96 x 144	16	58	40	10	4	14,400
	BMLTQD-60-42	60,000	48,000	96 x 144	120 x 192	96 x 144	16	58	40	10	4	14,800
	BMLTQD-70-42	70,000	56,000	96 x 144	120 x 192	96 x 144	16	58	70	10	8	15,200
	BMLTQD-80-42	80,000	64,000	96 x 144	120 x 192	96 x 144	20	62	70	10	8	16,000
	BMLTQD-100-42	100,000	80,000	96 x 144	120 x 192	96 x 144	20	62	100	10	12	16,400
BMLTQD-120-42	120,000	96,000	96 x 144	120 x 192	96 x 144	20	62	100	10	12	17,000	
48"	BMLTQD-50-48	50,000	40,000	96 x 144	120 x 192	96 x 144	16	64	45	10	4	14,600
	BMLTQD-60-48	60,000	48,000	96 x 144	120 x 192	96 x 144	16	64	45	10	4	15,000
	BMLTQD-70-48	70,000	56,000	96 x 144	120 x 192	96 x 144	16	64	80	10	8	15,400
	BMLTQD-80-48	80,000	64,000	96 x 144	120 x 192	96 x 144	20	68	80	10	8	16,200
	BMLTQD-100-48	100,000	80,000	96 x 144	120 x 192	96 x 144	20	68	110	10	12	16,600
BMLTQD-120-48	120,000	96,000	96 x 144	120 x 192	96 x 144	20	68	110	10	12	17,200	
54"	BMLTQD-50-54	50,000	40,000	96 x 168	120 x 216	96 x 168	16	70	60	10	4	15,400
	BMLTQD-60-54	60,000	48,000	96 x 168	120 x 216	96 x 168	16	70	60	10	4	15,800
	BMLTQD-70-54	70,000	56,000	96 x 168	120 x 216	96 x 168	16	70	110	10	8	16,200
	BMLTQD-80-54	80,000	64,000	96 x 168	120 x 216	96 x 168	20	74	110	10	8	16,600
	BMLTQD-100-54	100,000	80,000	96 x 168	120 x 216	96 x 168	20	74	110	15	12	17,000
BMLTQD-120-54	120,000	96,000	96 x 168	120 x 216	96 x 168	20	74	110	15	12	17,800	
60"	BMLTQD-50-60	50,000	40,000	96 x 168	120 x 216	96 x 168	16	76	65	10	4	15,600
	BMLTQD-60-60	60,000	48,000	96 x 168	120 x 216	96 x 168	16	76	65	10	4	16,000
	BMLTQD-70-60	70,000	56,000	96 x 168	120 x 216	96 x 168	16	76	120	10	8	16,400
	BMLTQD-80-60	80,000	64,000	96 x 168	120 x 216	96 x 168	20	80	120	10	8	16,800
	BMLTQD-100-60	100,000	80,000	96 x 168	120 x 216	96 x 168	20	80	120	15	12	17,200
BMLTQD-120-60	120,000	96,000	96 x 168	120 x 216	96 x 168	20	80	120	15	12	18,000	
72"	BMLTQD-50-72	50,000	40,000	96 x 216	120 x 264	96 x 216	16	88	65	10	4	19,000
	BMLTQD-60-72	60,000	48,000	96 x 216	120 x 264	96 x 216	16	88	65	10	4	19,400
	BMLTQD-70-72	70,000	56,000	96 x 216	120 x 264	96 x 216	16	88	120	10	8	19,800
	BMLTQD-80-72	80,000	64,000	96 x 216	120 x 264	96 x 216	20	92	120	10	8	20,000
	BMLTQD-100-72	100,000	80,000	96 x 216	120 x 264	96 x 216	20	92	120	15	12	20,400
BMLTQD-120-72	120,000	96,000	96 x 216	120 x 264	96 x 216	20	92	120	15	12	20,800	

*Standard platforms only. **Load that can be rolled over the side or end in any raised position. (Standard platform only) ***See platforms, beveled tooguards, roller shades, accordion skirting and electrical tape switches will affect overall size. Power requirement and type of operation and require specific selection. Note: Where available power supply is 208V/3PH booster transformers are required for 240V/3PH at motor, see options. Conforms to or exceeds ANSI standard MH29.1-1994.

See Options, page 33. Oversized elements depend upon frequency required for 240V/3PH at motor,