



# Magnum™

## ECOA Series MLT Scissor Lift Tables



Super Heavy Duty,  
Electrohydraulic  
15,000 to 30,000 lb.  
Capacity  
For Surface or  
Pit Installation

**MLT-20-48-48072**

### Model Number Format

**MLT-20-48-48072**

Series "MLT" \_\_\_\_\_  
Hydraulic Lift Table

Capacity \_\_\_\_\_  
20 = 20,000 lbs.

Vertical Travel \_\_\_\_\_  
48 = 48 inches

Platform Size \_\_\_\_\_  
48072 = 48"W x 72"L

### Description

ECOA MLT Series Lift Tables are high-capacity super heavy-duty electrohydraulic scissor lifts with capacities of 15,000 to 30,000 lbs., with travel distances of 30 to 72 in. and platform sizes of 48 x 60 to 72 x 132 in.

MLTs are designed for extremely heavy-duty lifting. From their structural strength to their high-power lifting ability, the MLT Series brings new meaning to the term "heavy duty". All have a design safety factor of 3 to 1.

### Standard Features

- Externally-mounted power unit with 5HP, 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" pushbutton 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 2 secondary mechanical upper travel back-up stops.
- Smooth steel platform
- 8 in. straight toe guards 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 with internal stops. No breather ports

- Flow Limiter Valve at 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.
- Pressure line 25 micron cartridge filter
- Hydraulic hose, SAE 100 R2AT double wire braid from cylinders to universal connection in the base frame
- 11 gal. reservoir, hydraulic oil not included

### Limited Warranty Policy

Refer to Warranty Form for specific details.

Specifications are subject to change without notice.

MLT Series Lift Tables are one of a group of ECOA Lift Tables and other materials handling products.



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**Selector Table for MLT Series. Capacities 15,000 to 30,000 lbs.**

| Travel | Model     | Capacity<br>(pounds) | Edge Load***<br>Maximum<br>Concentrated | Platform Sizes<br>(inches) |          | Base<br>Frame<br>(inches) | Height<br>(Inches) |        | Up<br>Speeds<br>(seconds) | Motor<br>Std.<br>HP** | Cylinders<br>(qty.) | Ship*<br>Weight<br>(pounds) |
|--------|-----------|----------------------|---|----------------------------|----------|---------------------------|--------------------|--------|---------------------------|-----------------------|---------------------|-----------------------------|
|        |           |                      |   | Standard                   | Maximum  |                           | Lowered            | Raised |                           |                       |                     |                             |
| 30"    | MLT-15-30 | 15,000               | 12,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 16                 | 46     | 24                        | 5                     | 2                   | 3,100                       |
|        | MLT-18-30 | 18,000               | 16,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 16                 | 46     | 24                        | 5                     | 2                   | 3,200                       |
|        | MLT-20-30 | 20,000               | 16,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 20                 | 50     | 24                        | 5                     | 2                   | 3,300                       |
|        | MLT-25-30 | 25,000               | 24,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 20                 | 50     | 35                        | 5                     | 3                   | 3,400                       |
|        | MLT-30-30 | 30,000               | 24,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 20                 | 50     | 35                        | 5                     | 3                   | 3,500                       |
| 36"    | MLT-15-36 | 15,000               | 12,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 16                 | 52     | 30                        | 5                     | 2                   | 3,500                       |
|        | MLT-18-36 | 18,000               | 16,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 16                 | 52     | 30                        | 5                     | 2                   | 3,600                       |
|        | MLT-20-36 | 20,000               | 16,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 20                 | 56     | 30                        | 5                     | 2                   | 3,700                       |
|        | MLT-25-36 | 25,000               | 24,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 20                 | 56     | 40                        | 5                     | 3                   | 3,800                       |
|        | MLT-30-36 | 30,000               | 24,000                                  | 48 x 60                    | 72 x 84  | 48 x 60                   | 20                 | 56     | 40                        | 5                     | 3                   | 3,900                       |
| 42"    | MLT-15-42 | 15,000               | 12,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 16                 | 58     | 25                        | 5                     | 2                   | 3,600                       |
|        | MLT-18-42 | 18,000               | 16,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 16                 | 58     | 25                        | 5                     | 2                   | 3,800                       |
|        | MLT-20-42 | 20,000               | 16,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 20                 | 62     | 25                        | 5                     | 2                   | 4,000                       |
|        | MLT-25-42 | 25,000               | 24,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 20                 | 62     | 35                        | 5                     | 3                   | 4,100                       |
|        | MLT-30-42 | 30,000               | 24,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 20                 | 62     | 35                        | 5                     | 3                   | 4,300                       |
| 48"    | MLT-15-48 | 15,000               | 12,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 16                 | 64     | 30                        | 5                     | 2                   | 3,700                       |
|        | MLT-18-48 | 18,000               | 16,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 16                 | 64     | 30                        | 5                     | 2                   | 3,900                       |
|        | MLT-20-48 | 20,000               | 16,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 20                 | 68     | 30                        | 5                     | 2                   | 4,100                       |
|        | MLT-25-48 | 25,000               | 24,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 20                 | 68     | 40                        | 5                     | 3                   | 4,200                       |
|        | MLT-30-48 | 30,000               | 24,000                                  | 48 x 72                    | 72 x 96  | 48 x 72                   | 20                 | 68     | 40                        | 5                     | 3                   | 4,400                       |
| 54"    | MLT-15-54 | 15,000               | 12,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 16                 | 70     | 40                        | 5                     | 2                   | 3,900                       |
|        | MLT-18-54 | 18,000               | 16,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 16                 | 70     | 40                        | 5                     | 2                   | 4,000                       |
|        | MLT-20-54 | 20,000               | 16,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 20                 | 74     | 40                        | 5                     | 2                   | 4,200                       |
|        | MLT-25-54 | 25,000               | 24,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 20                 | 74     | 55                        | 5                     | 3                   | 4,300                       |
|        | MLT-30-54 | 30,000               | 24,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 20                 | 74     | 55                        | 5                     | 3                   | 4,500                       |
| 60"    | MLT-15-60 | 15,000               | 12,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 16                 | 76     | 45                        | 5                     | 2                   | 4,000                       |
|        | MLT-18-60 | 18,000               | 16,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 16                 | 76     | 45                        | 5                     | 2                   | 4,100                       |
|        | MLT-20-60 | 20,000               | 16,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 20                 | 80     | 45                        | 5                     | 2                   | 4,300                       |
|        | MLT-25-60 | 25,000               | 24,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 20                 | 80     | 60                        | 5                     | 3                   | 4,400                       |
|        | MLT-30-60 | 30,000               | 24,000                                  | 48 x 84                    | 72 x 108 | 48 x 84                   | 20                 | 80     | 60                        | 5                     | 3                   | 4,600                       |
| 72"    | MLT-15-72 | 15,000               | 12,000                                  | 48 x 108                   | 72 x 132 | 48 x 108                  | 16                 | 88     | 45                        | 5                     | 2                   | 4,800                       |
|        | MLT-18-72 | 18,000               | 16,000                                  | 48 x 108                   | 72 x 132 | 48 x 108                  | 16                 | 88     | 45                        | 5                     | 2                   | 4,900                       |
|        | MLT-20-72 | 20,000               | 16,000                                  | 48 x 108                   | 72 x 132 | 48 x 108                  | 20                 | 92     | 45                        | 5                     | 2                   | 5,000                       |
|        | MLT-25-72 | 25,000               | 24,000                                  | 48 x 108                   | 72 x 132 | 48 x 108                  | 20                 | 92     | 60                        | 5                     | 3                   | 5,100                       |
|        | MLT-30-72 | 30,000               | 24,000                                  | 48 x 108                   | 72 x 132 | 48 x 108                  | 20                 | 92     | 60                        | 5                     | 3                   | 5,200                       |

\*Standard platforms only. \*\*See options. \*\*\*Load that can be rolled over the side or end in any raised position. (Standard platform only.)  
Oversized platforms, beveled toeguards, roller shades, accordion skirting and electrical tape switches will affect overall size. Power requirements depend upon frequency 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 page 30 for options and accessories.