

## SUGGESTED SPECIFICATIONS

### LIFTMOORE MODEL L-21 AND L-21-7 CRANES

**CAPACITIES:** Moment Rating is 6,000 Ft.-Lbs. with capacities as follows:

- \* 2000 Lbs. at 3 Ft.
- \* 1500 Lbs. at 4 Ft.
- \* 1200 Lbs. at 5 Ft.
- 1000 Lbs. at 6 Ft. (L-21-7 Only)
- 857 Lbs. at 7 Ft. (L-21-7 Only)

\*Use traveling block, rigged for double line, for loads above 1000 Lbs.

**HOIST WINCH:** The hoist winch uses a planetary gear drive for most efficient operation. A 1.3 HP Permanent magnet motor powers the winch. The single line capacity of the winch is 1200 Lbs. First layer performance is as follows:

Load (Lbs.)	Hook Speed (Ft./Min.)	AMP Draw
0	24.1	25
500	21.4	63
1200	17.5	115

Automatic load apportioned static brake on the winch supplements the dynamic motor brake. Winch gears are made of copper infiltrated sintered iron. Stamped, laminated gears or chain final drum are not acceptable. Winch drum barrel diameter is 3.54 inches resulting in 19.3 drum barrel diameter to cable diameter ratio.

**WIRE ROPE:** The crane is supplied with 25 Ft. of 3/16 In. galvanized aircraft cable with a 4200 Lb. breaking strength. All sheaves meet ANSI requirements.

**ROTATION:** 360 degree rotation without restriction is standard. To control the swing a manual brake band is provided. Two tapered roller bearings allow the crane to easily rotate when fully loaded.

**BOOM:** Two boom angles at 20 and 45 degrees are standard. The boom telescopes manually from 3 Ft. to 5 Ft. with the boom at 20 degrees. When the boom is at 45 degrees and 5 Ft. the boom maximum lift is 6 Ft. 9 In., The boom can be folded vertically for storage while traveling, with an overall height of 54 In.

The L-21-7 boom has the same features as the L-21 except it telescopes from 3 Ft. 3 In. to 7 Ft. 3in. in three stages.



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**PENDANT CONTROL:** A 12.5 Ft. remote pendant control is supplied with each crane. For safest possible use, the pendant control is removable from the crane. The winch function is controlled by a momentary contact weather resistant toggle switch.

**POWER CABLE:** The crane is supplied with 25 Ft. of battery power cable with quick disconnect. A 3 Ft. ground wire, and a 150 Amp circuit breaker are included for additional safety.

**MOUNTING:** Four 0.5 In. x 2.5 In. long, grade 8 Hex Head Cap Screws are supplied for mounting. The base plate is 0.50 In. thick x 12 In. square with a 9.5 In. square bolt pattern.

**OPTION:** Anti Two-Block for use when crane is used in construction. ( L-21-7 only)

**CHASSIS:** Minimum recommended GVWR for mounting the L-21 is 8,600 Lbs.



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