Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LM-HA-65-TLR

65' Hydraulic Megatower™ on 21' Trailer - No LED Lights

Product ID: 302619

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

LM-HA-65-TLR Trailer Mounted Megatower™

Mast Specs

Tower Length: 22` to 65`
Lamp Qty: None
Materials: Heat Treated 6063B/T5 Aluminum
Finish: Powder Coated
Operation: Hydraulic

Trailer Specs

Materials: Steel
Trailer Dimensions: 21`-L x 8`-W trailer bed
Height (Mast Collapsed): 9` 7"-H
Height (Mast Extended): 58`-H
Footprint (Outriggers Extended): 28`-6" x 19`-11"
Hitch: 3" Lunnett
Wiring: 7-Pin Flat
Axles: 7,000 lbs Torsion w/ Electric Brakes
Suspension: Torsion
Outriggers: (6) 6` x 6" x 6" I-Beams Retractable w/ (6) 10,000 lbs Manual Leveling Jacks
Wheels: (4) 16" 5x4.5" Steel Rims
Tires: (4) P235/80R16
Weight:
Shipping: Common Freight
Shipping Weight:

Quick Summary

22` to 65` Mast
Hydraulic Aluminum Mast
Steel Construction Trailer
Hydraulic Mast Operation
Powered Boom Deployment
All Equipment Mounted on a 21` x 8` Trailer
Steel Trailer w/ Industrial Grade Paint Finish
6-Point Outrigger System
10,000 lb Leveling Jacks
Cold Weather Package Factory Installed

*This system does not come with LED lights. Images are for illustrative purposes only.

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The LM-HA-65-TLR from Larson Electronics is a Trailer Mounted Hydraulic Megatower™ for deploying equipment in outdoor and remote work sites. This trailer mounted fold over 7-stage hydraulic tower provides a safe and effective way for operators to quickly raise equipment to elevations above 65`. The unit folds over for easy transportation, as well as features hydraulic ram upright assist and hydraulic mast. The entire assembly is mounted onto a 21` by 8` tandem axle trailer, allowing operators to transport this fold over boom from location to location. The LM-HA-65-TLR does not come with lights.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS

The LM-HA-65-TLR Megatower is designed for raising equipment in outdoor work areas. This unit includes a hydraulic telescoping mast which can elevate equipment to heights above 65`. The mobile tower package is ideal for large scale events, construction, mining, industrial operations and anywhere a mobile system capable of extended operation is needed.
This telescoping seven stage hydraulic mast from Larson Electronics is designed to allow operators to quickly and safely deploy equipment to heights above 65` for effective coverage. This boom can be collapsed to 22` for applications where a smaller footprint is required. The tower is constructed of heat treated aluminum tubing with 2.69` of overlap per section. The mast is elevated using an included hydraulic ram and extended to its full height using a second hydraulic system.







Click Images to Enlarge

Trailer: The entire unit is mounted onto a four wheel, tandem axle trailer constructed of 8" box steel equipped with torsion axles. Each torsion axle is rated at 7,000 lbs and equipped with P235/80R16 tubeless tires and wheels. The rear axle is equipped with electric brakes. Tongue weight is rated at 650 lbs. and an adjustable 3" lunnett eye for pintle hitches provides secure hookup to tow vehicles. A single 7,000-lb. rated tongue jack provides a stable connect-disconnect platform as well as additional stability during tower deployment. Standard heavy duty safety chains are included. This trailer also includes a front mounted storage area for stowing tools and accessories. The trailer is finished in industrial grade Dupont™ paint for protection against rust and corrosion and provides an attractive finish. Overall dimensions of the entire trailer and boom assembly in the stowed for travel configuration is 21` long by 8` wide.
Six 7,000-lb. hand crank jacks are used for raising the trailer up off the ground, and four 7,000-lb. hand crank jacks mounted on extending outriggers are used for leveling and stabilizing the trailer assembly. Each of the four jacks are attached to a pivoting outrigger constructed of 6` by 6" by 6.3" steel I-beams. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 6` out from the side of the trailer for added stability.
This tower can withstand 35 mph winds when fully extended. When lowered to 30`, the mast can withstand 50 mph winds. When lowered to 22`, the mast can withstand wind speeds up to 95 mph with gusts of 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.
We offer a choice of finishing, equipped light heads and with or without gensets. These towers can be fitted with Larson Electronics line of high output light heads, or customize the mast head to meet the mounting requirements for your equipment. Optional diesel generators and fuel cells can be equipped from factory, or retrofitted after purchase.
Cold Weather Package: The LM-HA-65-TLR is designed to withstand extreme cold environments and harsh winters. The hydraulic system is equipped with a de-icing system to prevent the hydraulic lines and system from freezing from moisture building within system. This de-icing system uses an environmentally friendly (non-toxic) fluid. All hydraulic lines are equipped with cold weather rated hydraulic hoses rated for -65°C and fitted with metallic hardware. All the hydraulic controls are housed within an insulated and weather tight enclosure. This hydraulic control box features 1/2" thick polystyrene foam insulation and heat trace.
The hydraulic system features -65°C cold weather rated rubber hydraulic hoses with metallic fittings and a cold weather rated high viscosity hydraulic fluid. The battery system that powers the hydraulic system features a cold weather rated sealed acid glass mat 12 volt battery wrapped in a heated battery blanket. A cold

weather rated battery charger keeps the 12 volt battery charged. All battery components are enclosed within a NEMA 3R housing. All electrical components are wired using cold weather rated SOOW cable with rated to -50°C that features high flexibility, and extreme abrasion, acid, oil and water resistance even in sub-zero climates.

Suggested Applications: Equipment operation, temporary lighting, construction site illumination, outdoor event lighting, job site lighting and any other application that requires a self-contained system.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**