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LM-HLM65-TLR-M1

77' Hydraulic Equipment Megatower™ - 33' Gooseneck Trailer - Galvanized Steel Mast

Product ID: 319398

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-HLM65-TLR-M1 Trailer Mounted Megatower™
Genset Specs:
Genset: 20kw
Engine: Perkins 28.9HP
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine, naturally aspirated
Engine Speed: 1800 RPM
No. of Cylinders: 4
Generator: 20KW Stamford Brushless
Voltage: 120/240V Single Phase
Battery: 12V @ 36aH
Fuel Cell Capacity: 110 Gallons - External Tank w/ Anti-Splash Baffles
Fuel Delivery: Electric
Sound Level: 68 dB - Full load @ 23` away
Cold Weather Package: Yes - Factory Included

Mast Specs
Tower Length: 30` to 100`
Materials: Carbon Steel
Finish: Galvanized
Operation: Hydraulic (Upright and Extension)
Safety: Wind Speed Monitoring System/Auto Retract
Mounting: 16" x 16" Mounting Platform for Customer-provided Equipment
Capacity: 3,000 lbs

Trailer Specs

Quick Summary
11KW Kubota Brushless Genset
110 Gallon External Fuel Cell
Cold Weather Package Factory Installed
Up to 43 Hour Continuous Operation
33.5` to 100` Mast
Hydraulic Aluminum Mast
Steel Construction Trailer
Hydraulic Mast Operation
Powered Boom Deployment
Steel Trailer w/ Industrial Grade Paint Finish
Towable Height Under 13` w/ Light Heads
6-Point Outrigger System
7,000 lb Leveling Jacks
Powered Boom Deployment
External Oil Pump System-Change Oil Every 3,000 Hours
Wind Speed Monitoring System
Auto Retract

Materials: Steel

Trailer Dimensions: 33`-L x 8`-W trailer bed
Height (Mast Collapsed): 33`-H
Height (Mast Extended): 100`-H
Footprint (Outriggers Extended): 36` x 19`-11"
Hitch: Gooseneck (12" I-beam Construction)
Wiring: 7-Pin Flat
Axles: (2) 10,000 lbs w/ Electric Brakes
Suspension: Tandem Dually
Outriggers: (6) 12` x 12" x 12" I-Beams Retractable w/ (6) 7,000 lbs Manual Leveling Jacks
Wheels: (8) 16" 5x4.5" Steel Rims
Tires: (8) P235/80R16
Weight:
Shipping: Common Freight
Shipping Weight:

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The LM-HLM65-TLR-M1 from Larson Electronics is a Trailer Mounted Hydraulic Megatower™ for heavy-duty industrial applications. This trailer-mounted fold over 7-stage hydraulic tower provides a safe and effective way for operators to quickly deploy customer-provided lights or equipment to elevations above 65` (ground to mast head), reaching a total height of 77` (with 11` of mast head assembly). This trailer-mounted tower features a choice of 120/240V or 120/208V single-phase or 240V/120 or 208V/120 three-phase power distribution panel with customer-provided connection. The hydraulic light tower folds over for easy transportation, features a hydraulic ram upright assist and hydraulic mast. The entire assembly is mounted onto a 33` dual tandem axle gooseneck trailer, allowing operators to transport this fold over boom from location to location. The LM-HLM65-TLR-M1 can be used with another hydraulic Megatower™ to raise tarps, large mesh or heavy-duty fabric.

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

The LM-HLM65-TLR-M1 is a versatile trailer-mounted tower that is capable of securing equipment in elevated positions. This unit is equipped with a choice of 120/240V or 120/208V and single or three-phase power distribution panel with a customer-provided connection. The hydraulic telescoping mast can be extended to heights above 65`. The hydraulic tower is capable of reaching heights up to 77` with the mast head assembly, which measures 11` in height. They heavy-duty nature of this Megatower makes it ideal for mining-grade applications, as well as large scale event illumination, construction, industrial operations and raising tarps. A 90" wide by 132" tall and 2" by 2" by 1/4" thick steel mast head is attached to the upper section of the mast which provides a strong and stable platform for customer-provided lights or equipment, which can be mounted to the head of the tower. The boom can be collapsed to 30` for applications where a footprint smaller is required. The tower is constructed of carbon steel tubing with 2` foot 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

Telescoping Boom: The hydraulic telescoping boom is constructed of carbon steel with a galvanized finish and extends to 65` in height from the ground to the mast head and 77` of total height with the tower assembly (measures 11` in height). This boom is raised from and lowered to the folded position by a single hydraulic ram and extended or retracted by a second hydraulic system.
Wiring/Controls: Each bank is wired into the NEMA 3R breaker control box at the base of the mast. Operators control customer-provided light heads or equipment via an on/off switched breaker per bank of five light heads. The hydraulics are also powered from within this breaker box. The mast elevation is controlled by a push button switch to operate the hydraulic ram allowing operators to raise the mast to the upright position. The vertical deployment is operated by a second push button switch allowing operators to extend it to its full 77` height or retract it to the collapsed height.
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)

MEGATOWER

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