

LM-22-3S-ATM

Mobile Communication Tower - 12-22' - Antenna Mount Pole - 2" OD - Stationary/Mountable

Product ID: 272019

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-22-3S-ATM Portable Communication Tower

Length: Telescoping from 12' to 22'

Weight: +/-345 lbs

Capacity: 150 lbs

Antenna Pole OD: 2"

Materials: Steel

Finish: Powder Coated (Gloss Blue) or Galvanized

Operation: (2) 1,000lbs Manual Winches, Electric Optional

Cable: 3/16" Aircraft Cable

Mounting: 1/4" thick, 13"x15" Base Plate

Anchor Bolts: (6) 9/16" Bolts

Shipping: Common Freight

Shipping Dimensions: 16.5'-L x 4'-W x 5'-H

Shipping Weight: +/-950 lbs

Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

The customer ships the failed light mast to Larson Electronics at their expense. If the failure is a manufacturer defect, we will repair and/or replace the unit.

Quick Summary

12' to 22' Foot Mast

Steel Construction

Powder Coated or Galvanized Finish

Antenna Pole Mount

125 mph Wind Resistance

Manual or Optional Electric Operation

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

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Made in the USA

The Larson Electronics LM-22-3S-ATM portable communication tower provides a secure way for operators to deploy equipment for mobile communication operations. This unit features a heavy-duty mast that can be elevated to 22 feet and an antenna mount pole (located at the top of

the tower). The entire assembly can be mounted on trucks/trailers or in a stationary configuration. When ordering this unit, please select from the following finishes: powder coated or galvanized.

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

The LM-22-3S-ATM is designed to allow operators to securely deploy mobile communication systems in temporary locations and remote sites. This portable communication tower can be extended to 22 feet for maximum area coverage and collapsed to 12 feet for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 12 feet in length and 4 inches in diameter, middle section 10 feet in length and 3.5 inches in diameter, and an upper section 7 feet in length and 3 inches in diameter. Each section has 2 foot of overlap. The mast is elevated using an included 1,000 lbs hand winch with 3/16 inch cable and extended to its full height using a second 1,000 lbs winch. This unit comes with an antenna mount pole (OD 2") at the top of the tower.



[Click Image to Enlarge](#)



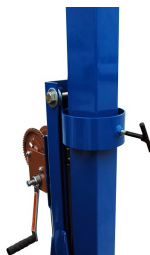
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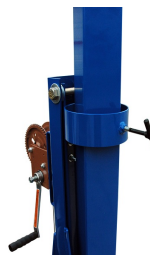
[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

The LM series of towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. These masts are typically mounted to trailers or other stable surfaces via a 15" by 13" by 1/4" thick mounting base-plate which has been drilled to accept six 9/16" anchor bolts. A 44" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for light fixtures and equipment.

The LM family of telescoping towers feature a proprietary mast guidance system, which provides increased stability during high winds. When lowered to 14', the mast can withstand winds up to 125 mph. When elevated to its full upright position, the mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast with ease in either direction. The mast can be positioned in one of four different directions, and locked back in place by re-tightening the T-handle. The mast itself spins freely, and can typically be rotated with a single hand.

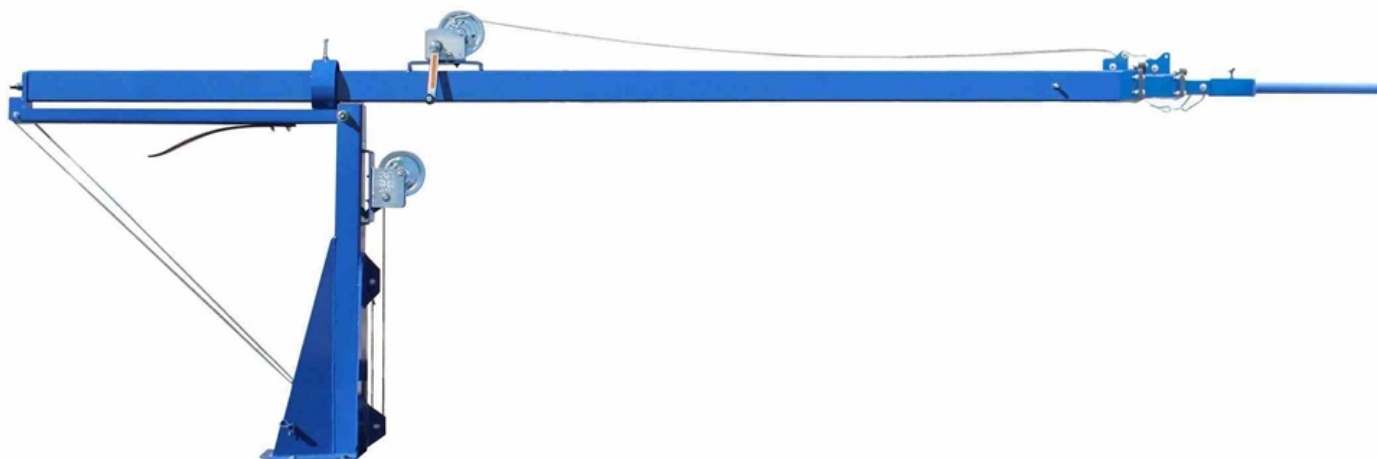
This portable communication tower weighs approximately 345 lbs and can easily support and lift 150 lbs fixtures and other types of equipment. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 16.5' long, 4' wide, 5' tall and weighs approximately 950 lbs. Larson Electronics can customize these units according to customer requirements with longer sections and larger mounting plates. We also offer a choice of either the manual 1,000 lbs hand winches included standard or optional electric winches.

Suggested Applications: Mobile communication services, extending site capacity, site repair, disaster recovery, emergency communications, surveillance, military, outdoor operations, remote deployment, temporary deployment, outdoor events, emergency camps, security deployment and more.

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.

Frequently Asked Questions (FAQ)



LM-22-3S-ATM

Product ID: 272019

Export Control Classification Number (ECCN): EAR99

Options:

LM-22-3S-ATM-Finish

Example: LM-22-3S-ATM-PWDC

Finish	
POWDER COATED	-PWDC
GALVANIZED	-GLVD

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)