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

WCDE-5K-30-NL

30' Telescoping Tower - 5 kW Generator - Water Cooled Diesel Engine - No Lamps

Product ID: 152478

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.

WCDE-6K-30-NL Mobile Tower

Genset Specs:

Engine: EPA Tier 4 rated
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine
Engine Speed: 3600 RPM
No. of Cylinders: 2
Generator: 5KW
Voltage: 120V Single Phase
Battery 12V
Fuel Cell Capacity: 28 Gallons
Fuel Delivery: Electric
Noise Level: Db level 73 @ 23 ft

Mast Specs:

Mast Type: Manual Crank-Up
Boom Height: Up to 30`
Materials: Galvanized Steel
Operation: Manual Hand Crank Winch
Winch: 2500lb, Self-Braking
Stages: Five

Trailer Specs

Materials: 14ga Sheet Steel Enclosure, 12ga Formed Steel Chassis
Hitch: 2in ball / pintle combo
Finish: Industrial Grade Paint

Protection

5KW Generator set
28 Gallon Fuel Cell
Up to 50+ Hour Continuous Operation
External Grounding
Low Oil, High Engine Temp Auto Shut-Off
Hour Meter - Alternator Warning
Withstands 50Mph Winds at Full Extension
Four Point Outrigger System
Steel Trailer w/ Industrial Grade Paint Finish

Axle: (1) 2,000 lbs
Suspension: 2,000 lbs Double Eye Leaf Springs
Outriggers: (4) Adjustable Outriggers w/ 2,500 lbs Manual Leveling Jacks
Lighting: DOT Approved tail, side, brake, and directional lights
Wheels: (2) 13" 5x4.5 Steel Rims
Tires: 155R13

Shipping Dimensions: 72"L x 48"W x 108"H
Shipping Weight: 1600 lbs

Special Orders- Requirements

Contact us for special requirements

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

Made in Texas

The WCDE-6K-30-NL Telescoping Tower from Larson Electronics is a towable package powered by a water cooled diesel engine turning a single bearing 5,000 watt generator. Capable of reaching heights up to 30 feet, operators can mount customer-provided lighting systems on the mast for elevated illumination. The entire assembly is mounted on a trailer.

The WCDE-5K-30-NL is a self contained towable tower package for outdoor locations. This unit contains a water cooled diesel engine powering a 5,000 watt generator, which supplies the current to customer-provided lighting systems. This unit can run uninterrupted for 50 hours straight without refueling and includes a telescoping mast which can elevate equipment to a height of 30 feet.

The WCDE-5K-30-NL mobile tower incorporates a long list of impressive features. The diesel engine is water cooled and operates at 3600 rpm. This engine features key operated electric starting, a full twelve volt electrical system, automatic low oil pressure and high temperature safety shutoffs, dual fuel filters and easy access oil and radiator drain ports to facilitate maintenance. A 28 gallon fuel tank allows the engine to operate for 50 hours continuously without refueling. The 6,000 watt generator is a single bearing design and produces 120/240 volt current at 60 Hz. The generator uses a four wire hookup system with an external ground allowing for setting up both electrical and mechanical safe grounding systems.

Telescoping Boom: The telescoping boom consists of five sections extending up to 30 feet through the use of a manual self braking winch and allows for rotating the mast 360 degrees. The telescoping boom is constructed of galvanized steel to resist rusting and corrosion and is capable of withstanding 50 mph winds when extended to its full height and the stabilizing outriggers are deployed. The stabilizing outriggers are a four point design with one located under the trailer tongue, two on the sides and one on the back of the unit. The two side outriggers are adjustable and include 1,000 lbs swivel jacks for leveling and stabilizing the tower.

Controls: The operations system for this unit is a centrally located control panel within the tower enclosure. Also included is an alternator warning light, fuel primer system, preheating switch, and a 120 volt GFCI duplex receptacle for auxiliary power takeoff.

Housing: All of the operating components are housed within a protective compartment constructed of 14 gauge steel and designed to provide airflow for cooling. A spillage free frame with an external drain system will contain all fluids to prevent road hazards or damage to the environment. Side wing doors provide access to the interior while latches provide secure closing when the unit is in use. The design and construction of this enclosure along with the commercial grade muffler system helps this unit operate at a low 73 Db noise level @ 23 ft. The entire unit can be loaded and unloaded onto trucks via forklift sleeves mounted to the top section of the mast. The entire unit is mounted onto a two wheel trailer with a 2,000 lbs leaf spring axle. A standard two inch ball coupling and two standard safety chains allow for easy hookup and towing.

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)