

WCDE-11-NL

11,000 Watt Generator - Water Cooled Diesel Engine - 30' Telescoping Tower

Product ID: 291872

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.

WCDE-11-NL Mobile Generator Tower

Genset Specs:

Genset: 11KW Brushless

Engine: Kubota D722 16.3 HP

Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine

Engine Speed: 3600 RPM

No. of Cylinders: 3

Generator: 11KW 2-Pole Brushless

Voltage: 120/240V Single Phase

Battery 12V @ 36Ah

Fuel Cell Capacity: 100 Gallons - External Tank w/ Anti-Splash Baffles

Fuel Delivery: Electric

Sound Level: 68 dB - Full Load @ 23' Away

Cold Weather Package: Glow Plug Factory Included

Protection

11KW Kubota Brushless Genset

100 Gallon External Fuel Cell

Glow Plugs Factory Installed

Up to 45 Hour Continuous Operation

11.5' to 30' Light Mast

Steel Construction Trailer

All Equipment Mounted on a 14' x 8' Trailer

Steel Trailer w/ Industrial Grade Paint Finish

Towable Height Under 13'

4-Point Outrigger System

External Grounding

Withstands 65 MPH Winds at Full Extension

Mast Specs

Tower Length: 11.5' to 30'

Materials: Tube Steel

Finish: Powder Coated

Operation: (2) Manual Crank Winches

Trailer Specs

Materials: Steel

Trailer Dimensions: 14'-L x 8'-W Trailer Bed

Hitch: 2" Ball Hitch

Special Orders - Special Requirements

Contact us for special requirements

Wiring: 7-Pin Flat

Axles: 3,500 lb Leaf Springs

Outriggers: (4) Retractable Outriggers - 1500 lb Jacks

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Made in the USA

The WCDE-11-NL from Larson Electronics is a Mobile Generator and Mast that provides portable power and elevation for customer provided equipment. This towable package is powered by a water cooled diesel engine turning a single bearing 4 pole generator which produces 11,000 watts and 120/240 V @ 60 Hz. The WCDE-11-NL can operate without refueling for up to 45 hours depending on mounted equipment and operating conditions.

The WCDE-11-NL mobile tower is a self contained towable package that contains a water cooled diesel engine powering a 11,000 watt generator. This unit can run uninterrupted for up to 45 hours straight without refueling and includes a telescoping mast which can elevate customer provided equipment, such as lights or cameras, to a height of 30 feet. This mobile unit is ideal for emergency services, large scale event illumination, construction, mining, industrial operations, and anywhere an extended operation capable mobile power and elevation solution is needed.

Genset: The WCDE-11-NL mobile tower includes a Kubota D722 diesel engine that powers the 11KW 120/240V brushless generator. This genset is liquid cooled and features a single phase generator with electric start ignition. The diesel generator runs at 3600 RPM and is equipped with an EPA/CARB Tier 4 emissions system. A 100 gallon fuel cell sits beside the genset and is equipped with an electric fuel delivery system. The fuel cell is constructed of single a heavy gauge steel single wall frame with internal anti-splash baffles. This genset features key operated electric starting, a twelve volt electrical system, liquid cooling, replaceable dry element air cleaner, and a full enclosure for safe operation and protection against the elements. This engine also features cold weather options to improve performance under cold weather conditions.

Telescoping Boom: The telescoping boom consists of three sections extending up to 30 feet through the use of two manual self braking winches and allows for rotating the lights 360 degrees. The telescoping boom is constructed of powder coated steel to resist rusting and corrosion and comes powder coated to prevent friction and rusting between tower sections. This system is capable of withstanding 65 mph winds when extended to its full height and the stabilizing outriggers are deployed. The stabilizing outriggers are a three point design with one located under the trailer tongue and two on the rear sides of the unit. The two rear outriggers are adjustable and include 1500 lb, swivel jacks for leveling and stabilizing the tower.

Wiring/Controls: Each piece of customer provided equipment can be wired into a NEMA 3R breaker control box at the base of the mast. Operators control the equipment via an on/off switched breaker per individual piece of equipment.

Trailer: The entire unit is mounted onto a two wheel trailer with a 3,500 lb leaf spring axle and 15" wheels with protected fenders. A standard two inch ball coupling and two standard safety chains allow for easy hookup and towing. The entire unit can be loaded and unloaded onto trucks via forklift sleeves mounted to the outer section of the light mast.

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)

Export Control Classification Number (ECCN): EAR99

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