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WCDE-11KW-220V-30-10TLR

11KW Watt Generator - Water Cooled Diesel Engine - 30' 5-Stage Mast

Product ID: 291873

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-11KW-220V-30-10TLR Mobile Generator Tower

Genset Specs:

Genset: Kubota GL11000TM
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
Outlets: BS1363 British Outlet
Fuel Cell Capacity: 150 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
150 Gallon External Fuel Cell
Glow Plugs Factory Installed
Up to 60 Hour Continuous Operation
8.75' to 30' Light Mast
Steel Construction Trailer
All Equipment Mounted on a 10' x 8' Trailer
Steel Trailer w/ Industrial Grade Paint Finish
External Grounding
Towable Height Under 13'
4-Point Outrigger System
Withstands 65 MPH Winds at Full Extension

Mast Specs

Tower Length: 8.75' to 30'
Materials: Tube Steel
Finish: Powder Coated
Operation: (2) 2,500 lb Manual Crank Winches

Trailer Specs

Materials: Steel
Trailer Dimensions: 10'-L x 8'-W Trailer Bed

Special Orders - Special Requirements

Hitch: 3" Pintle Hitch
Wiring: 7-Pin Flat
Axles: 5,400 lb Leaf Springs
Outriggers: (4) Retractable Outriggers - 1,500 lb Jacks

Contact us for special requirements
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Made in the USA

The WCDE-11KW-220V-30-10TLR 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 Kubota water cooled diesel engine turning a single bearing 4 pole generator which produces 11,000 watts and 120/240 V @ 60 Hz. The WCDE-11KW-220V-30-10TLR can operated without refueling for up to 60 hours depending on mounted equipment and operating conditions.

The WCDE-11KW-220V-30-10TLR 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 60 hours straight without refueling and includes a five stage telescoping mast which can elevate customer provided equipment, such as lights or cameras, to a height of 30 feet. This mobile package 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-11KW-220V-30-10TLR mobile tower includes a Kubota Lowboy II GL11000TM genset that houses a Kubota D722 diesel engine that powers the 11KW 120/220/240V 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 150 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. The unit is equipped with a BS1363 British outlet box for 220V devices.

Telescoping Boom: The telescoping boom consists of five 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. The tower is constructed of square steel tubing with a base section 6.6' in length and 6" by 6" by 3/16" thick, lower section 6.78' in length and 5" by 5" by 3/16" thick, middle section 6.93' in length and 4" by 4" by 1/8" thick, upper section 7.08' in length and 3" by 3" by 1/8" thick, and top section 7.58' in length and 2" by 2" by 1/8" thick. Each section has a 1'+ minimum overlap. The mast is elevated via an included 2,500 lb manual crank winch and is extended to its full height using a second 2,500 lb manual crank winch with 3/16" galvanized steel cable.

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 four point design with two located in the front sides and two on the rear sides of the unit. The outriggers are adjustable and include 1,500 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 10' by 8', two wheel, single axle trailer with a 5,400 lb leaf spring axle and 15" wheels with protected fenders. A standard 3" pintle hitch 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.

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Frequently Asked Questions (FAQ)

WCDE-11KW-220V-30-10TLR

Product ID: 291873

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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