

WCDE-4KW-LM25-CTVC-2.N10-ATS-M1

4kW Diesel Generator - 12'-25' Fold Over Tower - Automatic Transfer Switch, Internal Cabling

Product ID: 273707

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-4KW-LM25-CTVC-2.N10-ATS-M1 Mobile Equipment Tower

Genset Specs:

Engine: Yanmar Air Cooled, Direct Injection

Engine Speed: -

No. of Cylinders: (1)

Total Displacement: -

HP: -

Fuel Type: Diesel

Fuel Cell Capacity: 15 Gallons

Fuel Consumption: -

Alternator: Meccalte Alternator Brushless

Generator Watts: 4 kW

Voltage: 120/240V Single Phase

Breakers: Mains and Branch

Receptacles: (2) 20A [120V], (1) 30A NEMA L14-30 [120/240V]

Starter: Electric and Manual Recoil Starter

Voltage Meter: Included

Noise Level: -

Protection

Made in the USA

Buy American Compliant

TAA Compliant

4kW Yanmar Brushless Genset

15 Gallon Fuel Cell

External Grounding

Four Point Outrigger System

Steel Trailer w/ Industrial Grade Paint Finish

125 mph Wind Resistance

Internal Cabling

Automatic Transfer Switch

Light Mast Specs:

Mast Type: Telescoping, Fold Over

Boom Height: 12-25'

Materials: Steel

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

Cable: 3/16 Aircraft Cable

Stages: 3

Junction Box Location: Top of Mast

System Specs:

Switch Type: Automatic Transfer Switch

Receptacles: (1) 20A 5-20 Inlet [120V]

Cables: (1) CAT5e, (1) 14/3 AWG Cable Wired to 120V and Protected by a 15A Breaker,
(1) 16/3 AWG Cable Wired to 12V and Protected by a 10A Breaker

Cable Feed Location: Internal

Trailer Specs:

Materials: 14ga Sheet Steel Enclosure, 12ga Formed Steel Chassis

Hitch: 2" ball hitch

Finish: Industrial Grade Paint

Axle: (1) 2,200 lbs

Suspension: 2,000 lbs Double Eye Leaf Springs

Outriggers: (4) Adjustable Outriggers w/ 2,000 lbs Manual Leveling Jacks

Lighting: DOT Approved tail, side, brake, and directional lights

Wheels: (2) 13" 5x4.5 Steel Rims

Tires: 155R13

Dimensions: 137" x 93.3" x 53.9"

Weight: -

Special Orders - Special Requirements

Contact us for special requirements

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Made in Texas

The WCDE-4KW-LM25-CTVC-2.N10-ATS-M1 mobile light tower from Larson Electronics is a towable lighting package powered by a 4kW generator. Equipped with an automatic transfer switch and internal rancabing, the telescoping fold-over light tower extends to a maximum height of 25 feet and can be collapsed to 12 feet. All system components are secured to a heavy-duty trailer. This TAA compliant product is made in the USA.

The WCDE-4KW-LM25-CTVC-2.N10-ATS-M1 mobile light tower is a reliable solution for deploying equipment in outdoor, remote locations. This unit is supported by a 4,000 watt generator, which supplies the current to customer-provided equipment secured at the top of the tower. The light mast system can provide hours of continuous operation, at extended heights between 12 to 25 feet. This mobile package comes with an automatic transfer switch and internal cabling. An included 4kW generator equipped with an air-cooled motor provides power for equipment. The diesel engine is a Yanmar unit with a single cylinder. This engine features direct injection and an electric/manual recoil starter. A 15 gallon fuel tank allows the engine to operate continuously for extended periods of time without refueling. The 4,000 watt generator is a brushless design and produces 120/240V volt current. Equipped with a volt meter, there are three circuit-breaker protected receptacles on the unit: (2) 20-amp [120V] and (1) 30-amp L14-30 NEMA [120/240V].

Telescoping Boom: The telescoping, fold over three stage steel light mast is designed to allow operators to quickly and safely deploy devices in locations where this equipment must be elevated to heights up to 25 feet for effective coverage. The light boom can be extended to 25 feet for maximum area coverage and collapsed to 12 feet for applications where a smaller footprint 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.

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 equipment. Operators may access a junction box at the top of mast for wiring connections. The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 12 feet, 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 with ease, and can typically be rotated with a single hand.

Internal Cables: This system is equipped with three cables for wiring and network connections: (1) CAT5e cable, (1) 14/3 AWG cable wired to 120V and protected by 15-amp breaker and (1) 16/3 AWG cable wired to 12V and protected by 10-amp breaker. All cables are internally ran for added protection and convenience. An automatic transfer switch is available for powering equipment using an extension cord from nearby power sources. Operators may plug in a 120V line-in cord to a 20-amp 5-20 inlet on the system for such requirements.

Housing: All of the operating components are housed within a protective compartment constructed of 14 gauge steel and designed to provide airflow for cooling. 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 helps this unit operate at a low noise level. The entire unit can be loaded and unloaded onto trucks via forklift sleeves mounted to the top section of the light mast.

Trailer: The system is mounted onto a two-wheel trailer with a 2,200 lbs leaf spring axle. A standard two inch ball coupling and two standard safety chains allow for easy hookup and towing. Included 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 2,000 lbs swivel jacks for leveling and stabilizing the tower.

Applications: This portable generator is suitable for use in remote locations, such as temporary camps, construction sites, military bases and areas without reliable access to the grid. It can be utilized to power a wide range of tools and equipment.

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)

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Export Control Classification Number (ECCN): EAR99

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