

LED Runway Closure Marker RCM-D

Applications

The Runway Closure Marker is an effective and efficient method of warning pilots of closed runways and taxiways. A diesel engine powers 20 spotlights that form an illuminated "X" that can be seen as far as 25 miles. The trailer-mounted unit is easily towed behind a vehicle.



Features

- ETL certified to FAA AC 150/5345-55, Engineering Brief 67, AC 150/5370-2 and NTSB Safety Recommendation A-03-05
- 3-year, 3,000-hour engine warranty
- Easily set up by one person in less than 5 minutes, without tools
- Four folding arms each open to a 14-foot length
- 20 spotlights deliver over 70,000 candelas at beam center
- Visible 10-25 miles from runway under average conditions
- Selectable brightness levels to suit environmental conditions
- Photocell dimming for night operation
- Four rear-mounted lamps allow visual monitoring from back side
- Powered by a three-cylinder, liquid-cooled Mitsubishi diesel engine and Marathon brushless generator
- Operates 140 hours between fuel fills
- Highway tow-able, with a standard 2" hitch coupler
- 2200-pound, DOT-compliant trailer
- 3 swivel leveling jacks, one tongue jack
- Adjustable light beam angle
- Optional rear hitch, allows tandem towing of 2 units

Set Up Procedure (5 minutes):



1. Level as necessary using 3 leveling jacks.



2. Extend the 4 light assembly arms.



3. Tilt the light to the upright position.



4. Start the generator and activate the lights.

Runway Closure Marker Specifications

Light Assembly

Arm dimensions: 14 feet diagonal, 10 feet vertical

Front lamps: (20) LED lamps

Rear monitor lamps: (4) LED lamps

Lamp intensity: 70,000 center-beam candelas

Lamp visibility: Exceeds FAA specification of 5 nautical miles minimum at beam center. 1.5 nautical miles minimum for +/- 15 degrees azimuth and 0-10 degrees elevation

Lamp life: 50,000 hours typical

Flash rate: 2.5 seconds on/2.5 seconds off

Flasher type: Solid-state zero-crossing switch

Flasher bypass: Automatic upon flasher failure

Frame: 4 inch x 4 inch aluminum tubing

Paint: Yellow epoxy powder-coat

Photocell: Dims lamps during night operation

Photocell override: Yes

Elevation angle: Adjustable 0-10 degrees

Set up time: 5 minutes

Operable w/o generator, 120 VAC

Warranty

Engine: 2 years or 2000 hours, 3 years or 3000 hours on major components
Generator: 1 year unlimited hours, and 2 years or 2000 hours
Light Assembly: 1 year mechanical parts, 2 years electrical parts, 4 years on lamps

Engine

Manufacturer: Mitsubishi
Model: L3E-W261ML
Speed: 1800 RPM
Type: Diesel, 3-cylinder, liquid-cooled
Horsepower: 12.7 hp at 1800 RPM
Fuel Consumption: 0.41 gallons per hour
Start/Charging: Electric starter, alternator
Battery: 12V
Low Oil Shutdown
High Temp Shutdown
Engine Hour Meter
Glow Plug

Generator

Manufacturer: Marathon Electric
Type: 4-pole, brushless
Model: 332CSA5214
Output power: 6.0 kW
Power Factor: 1.0
Frequency: 60 Hz
Output voltage: 120/240V, single phase
Voltage regulation: +/- 5%
Output current: 50/25A

Chassis

2200 lb. axle
2-inch ball hitch
Three 2000 lb. leveling jacks
Side jack outriggers, 11-foot-6 inch span
DOT-compliant marker and tail lights
ST175/80D13 highway-rated tires
Safety chains with hooks
All steel tubing construction
Powder-coated steel engine housing
Lockable engine cabinet doors
External emergency engine stop
Removable trailer drawbar

AC Power Distribution

Main Breaker: 30A, 2-pole
240V Light Assembly Breaker: 30A, 2-pole
120V Outlet Breakers: 20A (2)
240V Twist-Loc: 1 receptacle
120V GFI Duplex: 2 receptacles

Capacities

Fuel Tank: 57 gallons
Run Time: 120 hr full load, 140 hr RCM-D only
Coolant: 4.5 qt.
Engine oil: 3.5 qt.

Size and Weight

Dimensions: 114 inches (length) x 65 inches (width) x 68 inches (height)
Dry Weight: 1265 lbs.
Shipping Weight: 1450 lbs.

Environmental Specifications

Operating temperature: -40° F to 116° F

Operating humidity: 0 to 100%

Maximum Wind Load: 50 mph

Optional Equipment

2 ½" Pintle Hitch

Combination 2" Ball and 2 ½" Pintle Hitch

Rear Ball Hitch

Protective Cover

Gel Cell Battery



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