

Magnum Light Tower - MLT 4080 MMH, Specifications



ENGINE

- Mitsubishi L3E-W26ML, 952 cc displacement, liquid cooled diesel engine
 - 12.2 HP @ 1800 RPM, Standby
 - 10.4 HP @ 1800 RPM prime
 - Fuel consumption is .5 GPH
- Engine / Generator is 60 Hz at 1800 RPM
- 69.6 dB(a) average
- Mounted with 4 rubber vibration dampers
- Radiator sized to allow continuous running in 116 degree F ambient temperatures
- Full flow oil filter, spin on type
- Fuel filter with replaceable element
- Dry type cartridge air filter
- Polyethylene fuel tank with large diameter opening, 30 gallon capacity
 - 60 hour run capacity

ENGINE CONTROLS

- Clearly marked control panel
- Key switch to preheat (glow plugs), start and stop
- 40 Amp Start Limit Breaker (assures no load condition exists before starting)
- Hour meter
- Automatic low oil/high temperature shut down system

GENERATOR

- Marathon, 8KW Brushless generator
- Capacitor voltage regulation



ELECTRICAL SYSTEM AND CONTROLS

- Individual floodlight circuits with 15A breakers
- Ballast indicator lights
- 4 individual ballast boxes (galvanized steel)
- Individually serviced parts for ballast repair
- 440 CCA wet cell battery
- Manual holder with operating instruction manual/wiring diagrams
- Outlets on control panel
 - Two 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - One 240 VAC 30 Amp twistlock outlets (Nema L6-30R type)

FLOODLIGHTS

- Four fixtures, reflector, metal halide, 1000 watts each
- Tempered glass lens
- Silicone gaskets for moisture and dust protection

WIRING

- All wiring shall be sized to amperage draw required
- Wiring diagrams shall be provided

MAST

- 30' extended, 3- section, tubular steel
- Plastic guides on all sides of mast tubes
- Industrial black powder coat finish
- Automatic locking system in down position for travel
- Automatic locking system in fully raised position
- 360° rotation
- Coiled mast cord
- One-person operation
- Equipped with lifting bracket

TRAILER

- Mast support: 3" square tube, ¼" wall
- Removable tongue 48" long
- Trailer frame, tubular steel, 3/16" wall
- Four 2000 lb. adjustable leveling jacks: one on tongue, one on the rear frame, and two side outriggers extended from the middle of the trailer
- All jacks transport and lock in horizontal position for storage
- Side outriggers to have 11' 6" span
- Safety chains with hooks
- 2" ball hitch standard
- Single wall (FLEX) plastic fenders
- Tail, side, brake, and directional lights meet DOT standards. Rear lights are recessed
- Axle: 2200 lb. With leaf springs. 49" track width between tires
- Tires, ST175/80D13, tubeless
- Body, 14-gauge steel
- Stainless steel hinges on doors
- Engine Mounts: 5"x 2" x 3/16" fabricated channel iron
- Magnum brand decals on enclosure
- License plate holder with light



METAL TREATMENT

- Durable, fade resistant, baked on polyester powder paint. Color: white

WARRANTY

- 1 year unlimited hours / 2 years 2000 hours limited warranty on unit.
- 1 year unlimited hours / 3 years 3000 hours / 5 years major components engine warranty from Mitsubishi



Magnum Light Tower – MLT 4080 Optional Accessories

ENGINE OPTIONS

- Lower radiator hose heater
- Spark arrest on muffler
- Quiet pack enclosure
- 56 gallon fuel tank
 - o 112 hour capacity
- Tethered fuel cap

ELECTRICAL OPTIONS

- 615 CCA wet cell battery
- 720 CCA wet cell battery
- 720 CCA gel cell battery
- Auto light option
- Battery charger (2 amp trickle)
- Battery disconnect (lockable)
- Interior cabinet light
- Electronic voltage regulator

FLOODLIGHT OPTIONS

- Four light fixtures – metal halide quick disconnect
- Four light fixtures - high pressure sodium hard wire
- Four light fixtures – high pressure sodium quick disconnect

MAST OPTIONS

- Black dual electric winch
- Galvanized dual electric winch
- Galvanized dual manual winch
- Drape cord mast wiring
- Mast light storage group

TRAILER OPTIONS

- Liquid containment system
- Combo hitch 2" ball and 2 ½" pintle ring
- 2 ½" ring hitch
- 3" ring hitch
- 2 5/16" ball hitch
- 6-pin plug for trailer lights
- 7-spade plug for trailer lights
- Jack tube and sleeve
- Level indicator
- Spare tire and carrier
- Air freight/sea container racking

