

Magnum Light Tower – MLT 5080 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

- Capacitor voltage regulation
- 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 quick disconnect, 1000 watts each
- Tempered glass lens
- Silicone gaskets for moisture and dust protection
- Internal cabinet light storage

WIRING

- All wiring is sized to amperage draw required
- Wiring diagrams 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 150" span
- Safety chains with hooks
- Combo hitch 2" ball hitch / 2.5" ring hitch standard
- Single wall (FLEX) plastic fenders
- Tail, side, brake, and directional lights meet DOT standards. Rear lights are recessed
- Axle: 3500 lb. with leaf springs
- Tires, P205X75R15, 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
- Tow vehicle tracking



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 5080 MMH, Optional Accessories

BATTERY OPTIONS

- 720 CCA gel cell battery
- No battery
- 720 CCA wet cell battery
- Battery disconnect switch, lockable
- Battery charger – 2 amp, 3 stage

COOLANT OPTION

- 60/40 Coolant, 60% Ethylene glycol

ENGINE OPTIONS

- Heated fuel filter
- Lower radiator hose heater

ENGINE OIL DRAIN OPTIONS

- Mitsubishi, without drain valve, electronic voltage regulated
- Mitsubishi, with drain valve, capacitor regulated,
- Mitsubishi, with drain valve, electronic voltage regulated

AUXILIARY CONTROL

- Auto – Light/timer controller

CABINET OPTIONS

- Interior cabinet light
- Level indicator
- Vented floor

FUEL TANK OPTIONS

- 56 gallon fuel tank, poly
- 60 gallon fuel tank, steel

HITCH OPTIONS

- 2 5/16" Ball hitch
- 3" HD lunette ring
- 2½" lunette ring / 2" ball combination hitch
- 3" lunette ring
- 2½" lunette ring



JACK OPTION

- Snap ring jack

TRAILER OPTIONS

- Spare tire and carrier

LIGHT OPTION

- 4 HPS, Quick disconnect lights, Magnum

MAST CORD OPTION

- Drape cord

MAST, WINCH & FINISH OPTIONS

- Galvanized, manual, dual winch
- Black, electric, dual winch
- Galvanized, electric, dual winch
- Black, electric, dual winch, w/disc
- Galvanized, electric, dual winch, w/disc

AXLE OPTIONS

- Manual parking brake axle
- Electric brake axle with 6 pin adapter
- Electric & manual park brake axle with 6 pin adapter
- Standard axle with 6 pin adapter
- Standard axle with 7 pin adapter
- Standard axle with 7 spade adapter
- Manual park brake axle with 6 pin adapter
- Manual park brake axle with 7 pin adapter
- Manual park brake axle with 7 spade adapter
- Electric brake axle with 7 spade adapter
- Electric & manual park brake axle with 7 spade adapter

MAST LIGHT STORAGE OPTION

- Mast light storage

