

Magnum Light Tower – MLT 4200 IMH, Specifications



ENGINE

- Isuzu 4LE1–PV 05, 4 cylinder diesel
 - 34.5 HP @ 1800 RPM Standby
 - 31.5 HP @1800 RPM Prime
 - Fuel consumption at prime power is 2.1 gallons (4.6L) per hour
- High quality industrial engine exhaust system
- 250 Hour oil change interval
- Rubber vibration dampers isolate engine/generator from frame
- Radiator is sized to allow continuous operation in 120 F temperatures
- Dry paper type cartridge air filter
- 56 gallon fuel tank

ENGINE CONTROLS

- Durable engraved aluminum control panel
- 4 position keyed switch (glow plug to preheat, off, run, start)
- 100 Amp Start Limit Main Breaker (assures no load condition exists before starting)
- Hour meter
- Automatic low oil/high temperature shut down system



GENERATOR

- Marathon brushless generator
- 20 kW generator
- 120/240 VAC 167/83 amps prime
- +/- 1% electronic voltage regulation

ELECTRICAL SYSTEM AND CONTROLS

- Individual floodlight circuits with 15A breakers
- Ballast indicator lights
- 4 individual ballast boxes (galvanized steel)
- Individually serviced ballast parts for ease of repair/service
- Manual holder with operating instruction manual/wiring diagrams
- Standard individually breakered convenience outlets:
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - (2) 240 VAC 30 Amp twistlock outlets (Nema L6-30R type)
 - (2) 125 / 250 VAC 50 Amp 3 pole 4 wire twistlock (Non Nema 6369)
- 720 CCA wet cell battery

FLOODLIGHTS

- Four light fixtures - metal halide hard wire
 - Reflector
 - 1000 watts each
- Tempered glass lens
- Silicone gaskets for moisture and dust protection
- Individual floodlight On/Off switches

WIRING

- All wiring is sized to the amperage draw required
- AC & DC wiring diagrams provided

MAST

- 30' maximum extension, 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 with locking system once positioned
- Coiled mast cord
- Manual winches ergonomically located, one-person operation
- Equipped with lifting eye and fork pocket guides on top side



TRAILER

- Mast support: 3" square tube, ¼" wall
- Removable tongue 48" long
- 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' 8" span
- Safety chains with hooks
- 2" ball hitch
- Single wall (FLEX) plastic fenders
- Tail, side, brake, and directional lights meet DOT standards. Rear lights are recessed
- Axle: 2500 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 / 2 years electrical / 5 years 5000 hours major components engine warranty from Isuzu



Magnum Light Tower – MLT 4200 IMH, Optional Accessories

COOLANT OPTION

- 60/40 Coolant, 60% Ethylene glycol

ENGINE OPTIONS

- Heated fuel filter
- Oil drain valve
- Lower radiator hose heater

BATTERY OPTIONS

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

CABINET OPTIONS

- Interior cabinet light
- Level indicator
- Quiet pak

FUEL TANK OPTIONS

- 30 gallon fuel tank
- Tethered fuel cap

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

- Tube & sleeve jack

TRAILER OPTIONS

- Spare tire and carrier
- Adapter, flat 4 to round 7 pin
- Adapter, flat 4 to round 7 spade
- Adapter, flat 4 to round 6 pin



LIGHT OPTIONS

- 4 MH, Quick disconnect lights, Magnum
- 4 HPS, Quick disconnect lights, Magnum
- 4 MH, Quick disconnect lights, Extruded
- 4 MH, Hard wired lights, Extruded
- 4 HPS, Hard wired 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

OUTLET PANEL OPTIONS

- Receptacle panel
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - (3) 240 VAC 30 Amp twistlock outlets (Nema L6-30R type)
 - (1) 125 / 250 VAC 50 Amp 3 pole 4 wire twistlock (Non Nema 6369)
- Receptacle panel
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - (3) 240 VAC 30 Amp twistlock outlets (Nema L14-30R type)
 - (1) 125 / 250 VAC 50 Amp 3 pole 4 wire twistlock (Non Nema 6369)
- Receptacle panel
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - (4) 240 VAC 30 Amp twistlock outlets (Nema L14-30R type)
- Receptacle panel
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - (3) 240 VAC 20 Amp twistlock outlets (Nema L6-30R type)
 - (1) 125 / 250 VAC 50 Amp 3 pole 4 wire twistlock (Non Nema 6369)

MAST LIGHT STORAGE OPTION

- Mast light storage

