
Magnum Light Tower MLT 4200 IMH Specifications

ENGINE & GENERATOR SET

- 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
- 20 kW generator; 120/240 VAC single phase with +/- 1% electronic voltage regulation
- 120/240 VAC 167/83 amps prime
- 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/GENERATOR OPTIONS

- Quiet pack enclosure
- Oil drain valve kit
- Lower radiator hose heater
- Heated fuel filter
- Tethered fuel cap

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

ELECTRICAL SYSTEM AND CONTROLS

- Electronic voltage regulator
- 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

ELECTRICAL OPTIONS

- 615 CCA wet cell battery
- 720 CCA gel cell battery
- Battery disconnect (lockable)
- Auto light option
- Battery charger (2 amp trickle)
- Interior cabinet light
- Outlet panel option 12399
 - (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)
- Outlet panel option 12400
 - (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)
- Outlet panel option 12401
 - (2) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
 - (4) 240 VAC 30 Amp twistlock outlets (Nema L14-30R type)
- Outlet panel option 12402
 - (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)

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

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

WIRING

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

MAST OPTIONS

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

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: 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

TRAILER OPTIONS

- Liquid containment system
- 2 5/16" ball hitch
- 2 ½ " ring hitch

- 3" ring hitch
- Combo hitch - 2" ball hitch convertible to 2 ½" ring hitch
- Tube & sleeve tongue jack
- Spare tire and carrier
- Air freight/overseas racking system

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