

MLT6S

Mobile Light Tower



Engine

Kubota® D1005- liquid cooled, diesel engine
Standby - 13.1 hp @ 1800 rpm
Prime - 11.7 hp @ 1800 rpm
3 cylinder
1.0 L displacement
Fuel consumption (prime) – 0.50 gph (1.89 Lph)

Mitsubishi® L3E- liquid cooled, diesel engine
Standby - 12.2 hp @ 1800 rpm
Prime - 10.5 hp @ 1800 rpm
3 cylinder
0.95 L displacement
Fuel consumption (prime) – 0.47 gph (1.78 Lph)

Industrial engine exhaust system
Cooling system capable of operating at 120°F ambient
Full flow oil filter, spin on type
Fuel filter, spin on type
Dry type cartridge air filter
43 gal. Polyethylene fuel tank
90 hr. run capacity with 4 light load
External 3 ½" fill port with optional
Pad Lockable Cap

Engine Controls

External, illuminated Control Panel with sealed switches
Four position keyed switch – (off, run, glow start)
Digital Hour meter
Automatic low oil pressure/high temperature shutdown system

Generators

Marathon Electric® Brushless, 6 kW continuous output
120/240 VAC – 50/25A
+/-6% capacitor voltage regulation

Electrical System and Controls

30A start trip breaker (assures no load condition exists before starting)
Individual floodlight circuits with sealed 15A breakers
Standard individually breakered convenience outlets:
(1) 120 VAC 20 Amp GFCI duplex outlet (Nema 5-20R type)
(1) 240 VAC 30 Amp twist lock outlet (Nema L6-30R type)

Floodlights

Four 1,000 watt metal halide, oval light fixtures
Tempered glass lens
Silicone gaskets for moisture and dust protection
Friction disc mounting for tool less positioning

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Wiring

Wiring is sized and fused to the amperage draw required
AC & DC wiring diagrams provided

Mast

23ft, 5 section vertical mast with ground adjustable light fixtures.
Dual handle manual winch for ease of deployment, enclosed tamper proof brake system
Distinctive angle fixture mount for common light distribution
360° ground rotational mast with mast fully extended.
Industrial black powder coat finish with polymer guides
Mast stowed height: 8' 5".

Enclosure

Thermoformed hood enclosure with UV protected colorant
Flip hood engine compartment for ease of service
Multi-lingual operating/safety decals
License plate holder with light
Manual holder with operating manual

Trailer

Tubular steel frame
Three, 1200 lb. tube and sleeve leveling jacks
All jacks transport and lock in position for storage
Side outriggers deployed – 10' span
7,800 lbs safety chains with spring loaded safety hooks
2" ball hitch
Molded polyethylene fenders
DOT approved LED tail, side, brake, and directional lights
2200 lb. leaf spring axle
ST175/80D13 – 6 ply
47 in. track width

Weight & Dimensions

Dry weight: 1340 lbs. (608 kg)
Operating weight: 1630 lbs (739 kg)
Mast stowed: 118 x 57 x 101 in (3.0 x 1.45 x 2.6 m)

Warranty

Engine and generator covered under OEM warranty – consult factory for details.

Certifications

CSA certified

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Cold Climate Option Package 60/40 Coolant, 60% Ethylene glycol
Heated fuel filter
Lower radiator hose – engine heater

Battery Option Package 775 AGM sealed battery
Battery charger – 2A trickle
Lockable Battery Disconnect

MLT6S Options

Individual Options Powered deployment mast
Auto light controller
Interior cabinet light

Trailer Options Combination hitch – 2.5" lunette ring
2" Ball - Bulldog hitch
Interior Cabinet Light
LoJack Vehicle Recovery System
Auto Light Controller

