# MODEL 3.0
## METAL HALIDE LAMP

The Aska Model 3.0 Metal Halide Light Tower is designed to deliver powerful and reliable illumination in demanding environments. Powered by a dependable diesel engine and equipped with a Yanmar Japan water-cooled engine, it ensures efficient and consistent lighting performance across a wide range of applications.

Built with an integrated bunded fuel tank for safe fuel storage and compliant with EU Stage V emission standards, the unit combines durability with operational efficiency. Engineered for challenging conditions such as mining and large infrastructure projects, the Model 3.0 is also available for international markets.

Engine Make
**Yanmar , Japan**

Fuel Tank type
**Bunded Tank**

Engine Speed
**1500 rpm**

Fuel Tank Capactiy
**120 litre**

**Alternator**
NSM ITALY ,TYPE : BRUSHLESS & SINGLE PHASE

**Wind Speed Stability**
110 Km / hr

**Rated Output**
8 KVA

**Noise Level**
<70 dB(A)
at 7m distance

# TECHNICAL SPECIFICATION DATA SHEET FOR MOBILE LIGHT TOWER (METAL HALIDE LAMP)

| PARAMETER | SPECIFICATION |
|---|---|
| | VT-8 MH Lamp |
| Floodlights/Lamp | Metal Halide |
| Wattage | 4 No's x 1000 W |
| Total Lumens Output | 440000 Lumens |
| Lumens per Watt (± 10%) | 110 Lm/W |
| Approx. Area Coverage (Average 20 Lux Minimum) | 20000 sqm (Approx. 5 acres) |
| **DIESEL ENGINE** | |
| Engine Model | 3TNV80-IGE |
| Engine horse power | 11(Continuous), 12 (Stand by) |
| Engine Rated Power (KW) | 8.2 (Continuous), 9.5 (Stand by) |
| No. of cylinders | 3 |
| **FUEL TANK** | |
| Fuel tank capacity (Minimum) | 1.7 Ltr /Hrs |
| **ALTERNATOR** | |
| Alternator Model | K132D |
| Alternator Degree of protection | IP 20 |
| Rating Volatge (Volt) | 230 Volt |
| Auxiliary Power | 16 amp. Maximum |
| **VERTICAL MAST** | |
| Type | Manual Operation winch and each operation interlocked |
| Maximum height (meters) | 7.8 |
| Number of mast section | 5 |
| Mast Rotation | 360 degree with locking system & manual operation |
| Mast Erection time | < 2 minutes |
| **ENGINE CONTROLLER** | |
| Engine Controller Make | Deep Sea UK/ Equivalent |
| Engine Controller Model | DSEL401MKII |
| Safety Features | Fail to start,under rpm,over rpm ,low fuel level,battery under voltage,battery over voltage, generator under voltage, generator over voltage, generator under frequency, generator over frequency, emergency stop, maintenance alarm |