



**ATA**

Makes Life Brighter

*Generators & Switchgear Solutions*

# ATA Tower Light K10

## Characteristics

Engine Technical Data Metal halide LED Metal Halide		LED
Light Tower Model	Night-Pro 1400-K	Night PRO 1400K
Prime Power	8.8kva @50hz, 10hz @60hz	4.5 kva@50 hz, 5.5kva@60hz
Frequency	50 - 60Hz	50-60 Hz
Voltage	230V	230
Maximum Dimensions in Cm (Working Mode)	L 255 x W175 x H 880	L 255 x W 175 x H 880
Minimum Dimensions in Cm (Transport Mode)	L 165 x W115 x H256 without lamp Assy	L 165 x W 115 x H 256
Weight Unfueled	500KG	450
Fuel type	Diesel (Fuel is according to BS2869 Class A2 or equivalent)	
Tank Capacity	114L	114
Maximum run time before refueling		250 Hrs.
ENGINE Make & Model	KUBOTA D1105-E2-BG JAPAN	Kubota Z482
Cylinders & Arrangement	3; vertical in-	2 in Line
Bore & Stroke (mm)	78 x 78.4	67.0 x68.0
Induction system	Naturally aspirated	Naturally aspirated

## Technical Data

Combustion	Indirect injection	Indirect injection
Cycle	4 stroke	4 stroke
Compression ratio	24	22
Cooling System	Water cooled	Water Cooled
Displacement	1.123 liters	0.479
Lube oil capacity	5.1 liters Max	3.8 L
Coolant capacity	5.1 liters	0
Standard governor (Optional)	Mechanical +/-5% (Electronic)	Mechanical +/-5%(Electronic)
Engine Speed	1500 rpm	1500 rpm
Fuel Consumption @ 100% Load	2.45 (L/H)	1L/H
Fuel Consumption @ 75% Load	1.84 (L/H)	0.8L/H
Fuel Consumption @ 50% Load	1.23 (L/H)	0.5L/H
Fuel Consumption @ 25% Load	0.62 (L/H)	0.4L/H
Radiator Cooling Air Flow (m <sup>3</sup> /s)	0.35	N/A
Emissions regulations	For non-regulated territories	For Non-regulated territories
Exhaust temperature °C (max)	500	N/A
Max exhaust gas flow (m <sup>3</sup> /min)	2.24	N/A
Max. allowed back pressure (kPa)	7.1	N/A



Events



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Mining

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**Trailer and mast Technical Data**

	Trailer and mast Technical Data		Alternator Technical Data	
Make & Model	ATA-Tower Light 9K	ATA-Tower Light 5K	Make & Model	Linz Alumen * x MD
Tires	2x165-R13	2x165-R13	Frequency / No. of poles	50-60Hz 1 Pole
Forklift Pocket	2 provisions	2 provisions		
Towing	Hitch Mount	Hitch Mount	Ingress protection	IP21
Mast	Vertical 4 stages	Vertical 4 stages	Insulation class	H
Rotation	350 degree with lock	350 degree with lock	Terminals (Optional)	2
Winch	Manual	Manual	Excitation system	Self excited
Lamp Assy Type	4x 1000 Metal Halide(360,000Lu ) / 4x1000 Halogen (256,000Lu) / 4x350W LED (210,000 Lu)	4x350W LED (210,000 Lu)		-
Light Field	Up to 5000 sqm	Up to 5000 sqm	Winding pitch	
Jacks – Stabilizers	5 – Extendable	3- Extendable	AVR model	Capacitor
Filling Cap	External with Key	External with Key	Overspeed	2250 R.M.P
Fuel Gauge	Visual Internal	Visual Internal	Voltage regulation	-
Auxiliary Sockets	2x16 A	2x16 A		
Cord	`Spiral 8 wires with harness on each Assy	`Spiral 8 wires with harness	Air Flow Requirement at 50Hz	3.1m <sup>3</sup> / mm

**Control Panel**

DSE4510
<b>Auto Start Control Module</b>
The DSE4510 is a compact Auto Start Control Module that has been developed to provide an outstanding range of features within a compact enclosure.
<b>OVERALL SIZE</b>
140 mm x 113 mm x 43 mm (5.5" x 4.4" x 1.5")
<b>PANEL CUTOUT SIZE</b>
118 mm x 92 mm (4.6" x 3.6")
<b>MAXIMUM PANEL THICKNESS</b>
8.0 mm (0.3")
<b>WEIGHT</b>
0.26kg
<b>PRODUCT VARIANTS</b>
4510-03 - 4510 Auto Start Control Module (Ct, Rtc)
4510-04 - 4510 Auto Start Control Module (Ct, Rtc, Htr)



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### Radiator:

50°C, fan protective shroud

### Fuel Tank:

Capacity of fuel tank is for 8–10 hours running  
Built in fuel tank up to 800 kVA

### Circuit Breaker:

3 pole LS MCCB

Alternator Type: brushless AC alternator

### Warranty policy:

ATA products have a warranty for 12 months or 1000 hours whichever occurs first against any manufacturing defects

Wearing parts (filters), incorrect man-made operation, maintenance failures are excluded from the warranty policy

### Engine:

Kubota, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.



Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact mode.

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