

GHADDAR MOBILPAC is a compact weather or sound proofed Lighting Tower. It is characterized with its reliability, convenience, and handy operation.

MOBILPAC Light Towers features dependable Kubota engine and Leroy Somer (or Linz) alternator assembled in a robust enclosure with all necessary mechanical and electrical accessories for an optimal operation with a brighter and larger coverage area.

## Characteristics

### LIGHT TOWER

#### Floodlight

- 4 x 400 LED lamps.
- Rugged non-corrosive cast aluminum reflector housings and tempered impact-resistant glass lens.
- Weather resistant, twist-lock connections for attaching floodlights.

#### Mast

- Fully extended 8 meters height – 360 degrees rotation, Manual mast lock and manual or electric winch for raising and lowering.

#### Enclosure

- Compact weather (or Sound) proof design with 2 lockable doors with stainless steel locks and hinges. Rugged fully enclosed, structural frame, corrosive resistant, carbonized steel frame. Polyester, powder painted.
- Two Outputs (16A, 230V) or One Output 32A, 230 V) twist lock receptacles with circuit protection.

#### Trailer

- Heavy formed welded steel, two wheels, single axle, with one wheel handle jack.
- Torsion bar suspension and 4 adjustable stabilizer support Fuel tank: 8 hours operation capacity tank with manhole filler cap.



- Image is for reference only and might not be 100% reflective of the actual product.

## Certifications



- The complete Generating Set is type-tested according to ISO 8528-8 Standard.



- The control panel is certified by an ISO 17025 accredited laboratory to have IP55 according to IEC 60355



## Dimensions

Make & Model	MLT9	MLT11	MLT12	MLT12.5	MLT15	MLT18
Overall Length including drawbar - in (mm)	2400		2400		2400	
Overall Width - in (mm)	1400		1400		1400	
Overall Height travel position - in (mm)	2630		2630		2630	
Overall Height without Tower - in (mm)	1350		1350		1350	
Tower Height - in (m)	7.5		7.5		7.5	
Tire Size	185 R14		185 R14		185 R14	
Shipping Weight - No Fuel in (Kg)	550		570		605	
Working Weight - With Fuel in (Kg)	620		640		675	

## Genset Technical Data

Type	KT9	KT11	KT12	KT12.5	KT15	KT18
Speed	1500 rpm	1800 rpm	1500 rpm	1800 rpm	1500 rpm	1800 rpm
Frequency	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Voltage	230 / 400 V	220 / 380 V	230 / 400 V	220 / 380 V	230 / 400 V	220 / 380 V
Prime rating @ 0.8 PF	9.0 KVA	10.9 KVA	11.6 KVA	12.5 KVA	14.4 KVA	18.0 KVA
Stand-by rating @ 0.8 PF	9.9 KVA	12.1 KVA	12.8 KVA	14.0 KVA	16.0 KVA	20.0 KVA

- Safety features: All short circuit and overload protections.
- Protections against high temperature and low oil pressure.
- Instrumentation: Elapsed time meter, oil pressure gauge, battery charging ammeter and engine ignition switch.

## Notes

1. The applicable voltage range is 380V to 415V for 50Hz applications and 380V to 480V for 60Hz applications.  
For other voltage consult factory.
2. The generating sets are of switchable speed of 1500rpm or 1800rpm.
3. The prime power rating of the generating set is calculated based on a variable load and unlimited hours usage applied on the generating set with an average load factor of 80% of the prime rating over each 24 hour period. Noting that a 10% overload is available for 1 hour in every 12 hours operation.
4. The is a standby power rating of the generating set is calculated based a variable load limited to an annual usage up to 500 hours with 300 hours of which may be continuous running. Noting that no overload is permitted.

## Alternator Technical Data

Make & Model	Leroy Somer TAL040C		Leroy Somer TAL040C		Leroy Somer TAL040F	
Voltage Regulation	± 1 %		± 1 %		± 1 %	
Ingress Protection	IP23		IP23		IP23	
Insulation Class	H		H		H	
Terminals	6		6		6	
Frequency	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Coolant air flow	0.06 m <sup>3</sup> /s	0.72 m <sup>3</sup> /s	0.06 m <sup>3</sup> /s	0.72 m <sup>3</sup> /s	0.06 m <sup>3</sup> /s	0.72 m <sup>3</sup> /s

- The complete generating set is type-tested according to ISO 8528-8 standard.
- The control panel is certified by an ISO17025 accredited laboratory to have IP55 according to IEC60355.

## Engine Technical Data

Make & Model	Kubota D1105-E2-BG2	Kubota D1105-E2-BG2	Kubota V1505-E2-BG2	Kubota V1505-E2-BG2	Kubota D1703-E2-BG2	Kubota D1703-E2-BG2
Cylinders & Arrangement	3: vertical in line	3: vertical in line	4: vertical in line	4: vertical in line	3: vertical in line	3: vertical in line
Induction system	Naturally aspirated					
Combustion	Indirect injection					
Cooling System	Water Cooled					
Displacement	1.123 Liters	1.123 Liters	1.498 Liters	1.498 Liters	1.647 Liters	1.647 Liters
Lube oil capacity	5.1 Liters	5.1 Liters	6.0 Liters	6.0 Liters	5.6 Liters	5.6 Liters
Coolant capacity	5.1 Liters	5.1 Liters	6.7 Liters	6.7 Liters	5.5 Liters	5.5 Liters
Standard governor	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Engine Speed	1500 rpm	1800 rpm	1500 rpm	1800 rpm	1500 rpm	1800 rpm
Fuel Consumption (L/H) @ 100% Load	2.45	2.60	3.23	3.5	3.51	3.9
Fuel Consumption (L/H) @ 75% Load	1.84	1.95	2.43	2.62	2.64	2.9
Fuel Consumption (L/H) @ 50% Load	1.23	1.30	1.62	1.75	1.76	1.95
Fuel Consumption (L/H) @ 25% Load	0.62	0.65	0.81	0.88	0.88	0.98
Radiator Cooling Air Flow (m <sup>3</sup> /min)	0.35	0.44	0.48	0.60	0.49	0.60
Max exhaust gas flow (m <sup>3</sup> /min)	2.24	2.64	2.99	3.52	3.29	3.52
Emissions regulations	For unregulated territories					

The above performance data are valid as per the following specs:

- Diesel Fuel is according to BS2869 Class A2 or equivalent.
- The coolant should be 50% antifreeze and 50% fresh water.
- Lubricating oil is according to API CI4 (15W/40).

## Control Panel Specifications

GMP200 series panel is an automatic start generating set panel of microprocessor-based design (DSE4510). It is fully configurable by front fascia buttons and PC software as well.

Circuit Breaker Schneider or ABB, 3 Pole MCB (4 Pole available as Optional)



Due to continuous improvements, above data is subject to change without prior notice