LOMAR POWER JENERATÖR

# LM-L 90
## Diesel Generator Set

LISTER PETTER


| 90 KVA | Standby | 72 KW |
|---|---|---|

Standby Power (ESP): In case of failure of reliable mains supply, variable electricity is used to power the load. ESP complies with ISO8528. Overloading is not allowed.

| 80 KVA | Prime | 64 KW |
|---|---|---|

Prime Power (PRP): It is used to supply variable electricity to the load, for unlimited operating hours per year. PRP complies with ISO 8528. According to ISO3046, 1 hour in a 12-hour operating period 11.1% Used for overload.

# Engine

In Lomar Generator engine products; high performance, providing low fuel consumption, with mechanical, electronic governor or Engine Control Unit depending on the type, oil, air and fuel filters can be changed, complying with ISO 3046, ISO 8528, BS 5514, DIN 6271 standards. It uses appropriate, high-tech engine brands.

| Engine Specifications | | | |
|---|---|---|---|
| **Engine Brand** | | Lister Petter | |
| **Engine Model** | | LP443G3 | |
| **Engine Power (Standby/Prime)** | | 72 kW (Standby) | 64 kW (Prime) |
| **Engine Speed** | | 1500 d/dk | |
| **Configuration** | | Inline Engine | |
| **Engine Stroke** | | 4-Stroke | |
| **Number of Cylinders** | | 4 | |
| **Cylinder Distance** | | 4295 cc | |
| **Bore & Stroke** | | 105x124 | |
| **Compression Ratio** | | 17.30:1 | |
| **Govarnor** | | Electronic | |
| **Air Aspiration** | | Turbocharger | |
| **Fuel Injection** | | Direct | |
| **Cooling System** | | Air | |
| **Engine Oil Capacity** | | 13 L | |
| **Fuel Consumption** | **Liters/hour (50%)** | 9.9 | |
| | **Liters/hour (75%)** | 14.3 | |
| | **Liters/hour (100%)** | 19.5 | |

# Alternator

Lomar Generator alternator PRODUCTS have steel body design, robust structure, maintenance-free bearing system (brushless), self-excitation system, electronic type voltage REGULATOR, BS 4999-5000; CEI EN 60034-1; IEC It uses HIGH technology alternator brands that comply with 60034-1; VDE 0530, OVE M10, NF 51-100,111; NEMA MG 1.22.Standards.

| Alternator Specifications | |
|---|---|
| **Power Factor** | 0,8 |
| **Isolation Class** | H |
| **Protection Class** | IP21 - IP23 |
| **Output Voltage** | 230/400 Vac |
| **Output Frequency** | 50 Hz |
| **Connection Type** | STAR |
| **Design** | 4 Poles - Brushless |

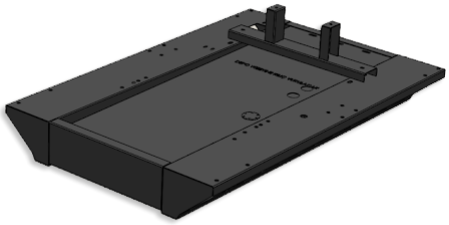
# Control System

Lomar Generator control panels have a structure that is easy to use and secure software updates can be easily made via USB ports. Optionally, remote control can be provided via ETHERNET and GPRS. The panel body is made of steel sheet and painted with electrostatic powder paint. Electronic parts are isolated. and has a waterproof design.

| Control System Specifications | |
|---|---|
| Automatic Control System with LCD Display | Remote monitoring possibility |
| Multifunctional operating possibility | Support different languages |
| Programmable VIA USB, RS-232 and GSM | |

# Chassis, Cabin and Fuel Tank

Lomar Generator chassis have a modular design and are manufactured from steel. The tank is mounted to the chassis with bolts. Engine alternator radiator connections are made with vibration mounts to minimize vibration. Special chassis and fuel tank designs can be made in line with customer demands.

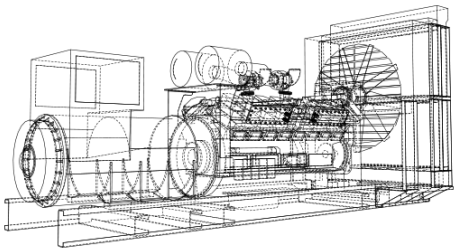


| Cabinet Specifications | |
|---|---|
| Cabinet design that facilitates generator maintenance | Emergency stop button ON the cabin |
| Transparent control panel window | Acoustic FOAM that provides sound insulation |
| Exhaust silencer hidden in the cabin | Engine cooling air ducts |
| Corrosion and rust resistant electrostatic powder paint | Possibility to refuel outside the cabin |

| Options | | |
|---|---|---|
| **Transfer Board** | Analog Indicators | **Protection Switch** |
| **24 Hour Fuel Tank** | External Type Fuel Tank | **Special Chassis Color** |
| **Synchronous System** | Custom Cabinet Color | **Electronic Governor Application** |
| **Remote Monitoring MODULE** | EARTHQUAKE SENSOR | **Special Type Silencer** |

# Quality Standards

All generating sets produced by Lomar Generator have TSE, CE and ISO 9001 certificates.
Technical information and values comply with ISO8528, ISO3046, NEMA MG1.22, IEC 600341, BS 49995000, VDE 0530 standards.



| Technical Dimensions | | | | | | | |
|---|---|---|---|---|---|---|---|
| **CABIN GROUP** | | | | **CABINLESS GROUP** | | | |
| **WİDTH** | 1000 mm | **SIZE** | 2300 mm | **WİDTH** | 1000 mm | **SIZE** | 1900 mm |
| **HEIGHT** | 1420 mm | **WEIGHT** | 957 kg | **HEIGHT** | 1380 mm | **WEIGHT** | 782 kg |

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