

MODEL: LSMW1000NGE3

Powered by MWM



| | |
|------------------|-------------------------------|
| Model | LSMW1000NGE3 |
| Electrical Power | 1000KW |
| Frequency | 50Hz |
| Voltage | 400V |
| Engine | TCG3016 V16S |
| Alternator | S7L1D-C42 |
| Fuel System | Electronic Fuel Control Valve |
| Governor Type | ECU |

Standard Features

Engine

- Robust high speed block design provides prolonged life and lower purchasing and operating costs
- High power density and efficiency generator

Set Package

- Top tier electrical efficiency
- Low maintenance and overhaul costs driven by low oil consumption, extended service intervals, and reduced downtime
- Genset reliability verified through torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

Alternator

- High-efficiency design
- Designed to match performance and output characteristics of MWM engines

Applications

- LEES generator sets are capable of maximizing power production opportunities in an extensive range of industries

Control Panels

- User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements

Warranty

- 3 years from MWM Germany factory or 2 years after installation and commissioning with unlimited running hours, whichever comes first.

50Hz Humidity/Fuel Tolerant Package Performance – AC and JW Pumps

| Performance | Continuous | |
|-----------------------------------------------------------------------|------------|---------|
| Frequency | 50 Hz | |
| Genset power rating @ 0.8 power factor – kW (kVA) | 1000 | (1250) |
| Engine speed – rpm | 1500 | |
| Displacement(L) | 35 | |
| Compression ratio | 11.1 | |
| NOx emission level – mg/Nm ³ (g/bhp-hr) NOx | 500 | (0.99) |
| Fuel Consumption | | |
| 100% load with fan – MJ/kW-hr (Btu/kW-hr) | 8.68 | (8489) |
| 75% load with fan – MJ/kW-hr (Btu/kW-hr) | 8.83 | (8635) |
| 50% load with fan – MJ/kW-hr (Btu/kW-hr) | 9.25 | (9048) |
| Cooling System | | |
| Auxiliary circuit temperature (maximum inlet) – °C (°F) | 51 | (124) |
| Jacket water temperature (maximum outlet) – °C (°F) | 89 | (192) |
| Inlet Air | | |
| Combustion air inlet flow rate (0 °C, 101.3 kPa)/kg/h | 5342 | |
| Altitude Capability | | |
| At 25 °C (77 °F) ambient, above sea level – m (ft) | 100 | (328) |
| Exhaust System | | |
| Exhaust temperature – engine outlet – °C (°F) | 463 | (865) |
| Exhaust gas flow (0 °C, 101.3 kPa)/kg/h | 5531 | |
| Heat Rejection | | |
| Heat rejection to jacket water – kW (Btu/min) | 540 | (30672) |
| Heat rejection to exhaust after heat exchanger – kW (Btu/min) | 583 | (33114) |
| Heat rejection to atmosphere from engine and generator – kW (Btu/min) | 60 | (3408) |
| Heat rejection to intercooling water – kW (Btu/min) | 75 | (4260) |

Optional Equipment

Engine

Air Cleaner

- ☐ Standard filter
- ☐ Heavy duty filter

General

- ☐ Barring group

Lubrication

- ☐ Lubricating oil(NGEO)
- ☐ Oil level regulator
- ☐ Extended Life Oil Tank

Mufflers

- ☐ Industrial Grade(12-18 dB)
- ☐ Residential Grade(18-25 dB)
- ☐ Hospital Grade(40 dB)

Protection System

- ☐ Explosion Relief Valves

Starting/Charging

- ☐ Battery charger
- ☐ Oversized batteries

Alternator

Output voltage

- ☐ 380V ☐ 400V
- ☐ 415V ☐ 10.5KV
- ☐ 6.3KV

Temperature Rise

(over 40 °C ambient)

- ☐ 105°C
- ☐ 80°C

Attachments

- ☐ Anti-condensation heater
- ☐ Generator RTD module
- ☐ Neutral Ground - LV
- ☐ Differential CTs - HV

Control System

Controller

- ☐ ComAp
- ☐ DSE
- ☐ SmartGen
- ☐ DEIF

Attachments

- ☐ Discrete I/O module
- ☐ Load share module
- ☐ Local annunciator module
- ☐ Remote annunciator module
- ☐ Remote monitoring software

Enclosure

- ☐ Weather protective
- ☐ Sound attenuated

Attachments

- ☐ Cold weather bundle
- ☐ DC lighting package
- ☐ AC lighting package
- ☐ Motorized louvers

Ancillary Equipment

- ☐ Automatic transfer switch(ATS)
- ☐ Uninterruptible power supply(UPS)
- ☐ Synchronization switchgear
- ☐ Synchronization controls

Power Terminals

Circuit Breaker Options

- ☐ UL ☐ IEC
- ☐ 3-pole ☐ 4-pole
- ☐ Manually operated
- ☐ Electrically operated

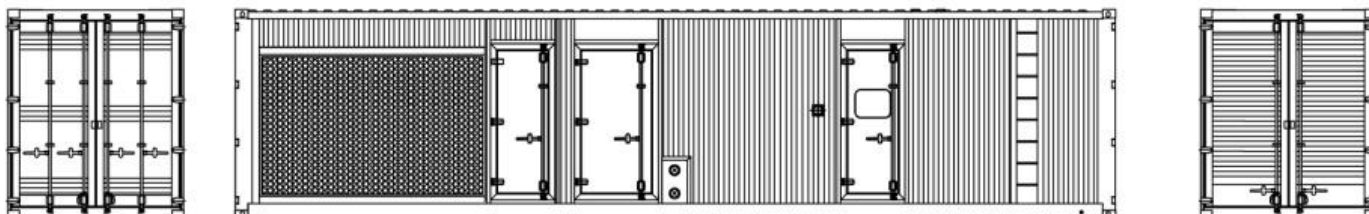
Connect

Connectivity

- ☐ Ethernet
- ☐ Satellite
- ☐ Cell

Note: Some options may not be available on all models. Certifications may not be available with all model configurations. Consult factory for availability. * Configured Hydrogen Capable Units may experience rating differences on both Natural Gas and H₂ blends based on site conditions - (Fuel blending Source Provided by Customer)

Weights and Dimensions



| LSMW1000NGE3 | | | | |
|--------------------|-----------------|----------------|-----------------|-------------|
| Configuration | L = Length (mm) | W = Width (mm) | H = Height (mm) | Weight (kg) |
| Containerized Type | 40HQ | | | / |




Note: For reference only. Do not use for installation design. Contact your local LEES dealer for precise weights and dimensions.



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