

MPD-PMG-DG250-YT-M1

250 KVA Pad Mounted Diesel Generator Power Distribution - 208Y/120 3-phase Nominal Voltage - Silent

Product ID: 335289

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MPD-PMG-DG250-YT-M1

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-PMG-DG250-YT-M1 Pad Mounted Diesel generator

Gen-set Output Ratings

Phase: Three-phase
Frequency: 60 Hz
Power Factor: 0.8
Nominal Voltage: 208Y/120V
Prime Power: 250 KVA / 200 KW
Standby Power: 275 KVA / 220 KW

General Engine Specs

Engine Type: 4-Cycle, inline, 6 Cylinder
Engine Rated Output Power (Standby): 250 kW
Engine Rated Output Power (Standby): 220 kW
Engine Rated Speed: 1800 rpm
Aspiration: Turbocharged and air-to-air aftercooled
Bore * Stroke: 5.1" x 6.3"
Displacement: 7-9 Gallons
Compression Ratio: 15.5:1

Fuel System

Ratings/Approvals

Warranty: The standard warranty period: One year after ex-work or 1000 operation hours whichever come first shall apply
Made in the USA

Features

Engine include one set filters
Brushless Alternator with AVR
Radiator with engine driven fan

Fuel Consumption (@ 100% Output Power): 14–16 Gallons/Hr
Fuel Consumption (@ 75% Output Power): 11–12 Gallons/Hr
Fuel Consumption (@ 50% Output Power): 7–8 Gallons/Hr
Fuel Consumption (@ 25% Output Power): 4–5 Gallons/Hr
Base Fuel Tank Capacity: 120–150 Gallons

Exhaust System

Maximum Back Pressure: 0.6 PSI
Exhaust Gas Temperature (overload/prime power): 550 / 500 °C
Exhaust Gas Flow (overload/prime power): 615.8 / 558.2 Gallons/s

Air Induction System

Maximum Intake Air Restriction (in. H₂O) (with Dirty Filter Element): 25
Maximum Intake Air Restriction (in. H₂O) (with Clean Filter Element): 15
Intake Air Flow (overload/prime power): 200 / 180 CFM

Cooling System

Coolant Capacity (Engine Only): 8–10 Gallons
Standard Thermostat Modulating Range: 83–95°C
Maximum Coolant Friction Head External to Engine: 5 PSI
Minimum Pressure Cap: 14 PSI
Maxi. Top Tank Temp. (standby power/prime power): 104/100°C

Lubrication System

Oil Pressure (@ Idle Speed): 15–25 PSI
Oil Pressure (@ Governed Speed): 40–60 PSI
Maximum Oil Temperature: 120°C
Total System Capacity (Including Filter): 5–7 Gallons

Electrical Starting System

Cranking Motor (Heavy Duty, Positive Engagement): 24V DC
Battery Charging System, Negative Ground: 35A
Batteries: Included

Alternator Specs

AVR: Included
PMG: Included
Voltage Regulation: ±1.0%
Insulation System: Class H
Rated Power Factor: 0.8
Winding Pitch: Two thirds
Winding Leads: 12
Frequency: 60 Hz
Voltage: 208Y/120V
THF: <2%
TIF: <50%
Max. Overspeed: 2250 rpm
Bearing: Single
Controller System: DeepSea6120
Total Dimensions: 120"-L x 48"-W x 72"-H
Total Weight: 6,000 lbs
Enclosure Rating: NEMA 3R, Weatherproof, Sound Attenuated, with stainless steel hinges, maintenance doors, cable access, emergency stop, and fresh air cooling system
Enclosure Finish: Grey

Auto control system with LCD display
3P circuit breaker (600A–800A typical)
Battery charger and Start battery
Industrial silencer
Anti-vibration pads
Standard tools kits
User manual & Wiring diagrams
Silent NEMA 3R Enclosure

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187



Shipping Dimensions: -

Shipping Weight: -

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

This unit is Made In USA - Manufactured in Texas

The Larson Electronics MPD-PMG-DG250-YT-M1 Pad Mounted Diesel Generator Power Distribution provides three-phase 208Y/120V power for commercial buildings and facilities requiring reliable standby or emergency power. Equipped with a diesel engine and automatic control system, this unit is designed for seamless integration with automatic transfer switches and emergency distribution systems.

****PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS****

The MPD-PMG-DG250-YT-M1 gives operators the ability to supply backup power to critical loads from a single, self-contained system. This unit features three-phase 208Y/120V, 60Hz output and is capable of generating up to 250 kVA (200 kW) during operation. The sound-attenuated, weatherproof enclosure is suitable for outdoor installations, including pad-mounted rooftop or ground-level applications. Equipped with a digital controller, battery charger, engine protection systems, and integrated fuel tank, the generator automatically responds to power loss and restores power to connected systems through ATS integration.

Trailer: The diesel generator does not include a trailer and is designed for permanent pad-mounted installation.

Applications: This power distribution solution is ideal for emergency and standby applications including schools, commercial buildings, industrial facilities, life safety systems, and critical infrastructure. These systems are commonly used where uninterrupted power is required for essential operations during utility outages.

Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.



Frequently Asked Questions (FAQ)

There are no Faqs



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Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/335289.JPG>)
- **Video1**(https://www.youtube.com/watch?v=h7_pYtCwNBQ)
- **Video2**(<https://www.youtube.com/watch?v=AjV5ZuQ7L64>)
- **Video3**(<https://www.youtube.com/watch?v=IPNHfFMNgzY>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
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