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MPD-PMG-DG30-SLZ-ATS-M2

30 kW Skid Mounted Diesel Generator Power Distribution - 120/240V 1-Phase Nominal Voltage - Silent - W/ 160A Outdoor Rated Transfer Switch, 100 Gal. Fuel Tank

Product ID: 341325

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



Image: MPD-PMG-DG30-SLZ-ATS-M2

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-DG30-SLZ-ATS-M2 Skid Mounted Diesel Generator

Gen-set Output Ratings
Phase: Single-phase
Wire: 3-Wire
Frequency: 60 Hz
Nominal Voltage: 120/240V
Prime Power: 30 KW
Standby Power: 33 KW
Power Factor: 1.0

General Engine Specs
Engine Type: 4 Cylinder
Engine Rated Speed: 1800 rpm
Engine Output Power (Standby): 36 kWm
Engine Output Power (Prime): 33 kWm
Aspiration: Naturally Aspirated
Bore * Stroke: 4.016 * 4.72 inches
Compression Ratio: 18.0:1
Displacement: 237.99 in³
Engine Idle Speed: 700-900 rpm

Fuel System

Ratings/Approvals
Made in the USA

Features
160A ATS Rainproof Type
Engine include one set filters
Anti-vibration pads
Silent NEMA 3R Enclosure
Standard tools kits
User manual & Wiring diagrams
Standard tools kits
Brushless Alternator with AVR
Radiator with engine driven fan

Fuel Consumption (100% Prime Power): 2.48 GPH
Fuel Consumption (75% Prime Power): 1.98 GPH
Fuel Consumption (50% Prime Power): 1.45 GPH
Fuel Consumption (25% Prime Power): 1.06 GPH
Type Injection System: WF A Direct injection
Base Fuel Tank Capacity: 100 Gallons
Fuel Type: Diesel/JP-8/F-24

Exhaust System
Maximum Back Pressure: 1.45 PSI
Exhaust Gas Temperature (standby/prime power): 370/340°C
Exhaust Gas Flow (standby/prime power): 21.64 / 20.74 Gallons/s

Air Induction System
Maximum Intake Air Restriction (in. H2O) (with Dirty Filter Element): 0.899 PSI
Maximum Intake Air Restriction (in. H2O) (with Clean Filter Element): 0.54 PSI
Intake Air Flow (standby/prime power): 11.36 / 11.36 Gallons/s

Cooling System
Coolant Capacity (Engine Only): 1.9 Gallons
Standard Thermostat Modulating Range: 83-95°C
Maxi. Top Tank Temp. (standby power/prime power): 110/104°C

Lubrication System
Oil Pressure (@ Idle Speed): 30.02 PSI
Oil Pressure (@ Governed Speed): 50.04 PSI
Maximum Oil Temperature: 121°C
Total System Capacity (Including Filter): 2.88 Gallons

Electrical Starting System
Cranking Motor (Heavy Duty, Positive Engagement): 24V DC
Battery Charging System, Negative Ground: 40A
Batteries: Included

Alternator Specs
AVR: Included
PMG: Included
Voltage Regulation: ±1.0%
Insulation System: Class H
Insulation System: IP23
Rated Power Factor: 1.0
Winding Pitch: Two thirds
Winding Leads: 6
Frequency: 60 Hz
Voltage: 120/240V
THF: <2%
TIF: <50%
Max. Overspeed: 2250 rpm
Bearing: Single
Controller System: DeepSea6120
Operating Temperature Range: -45°C to 60°C
Audio Rating: 72 dBA @ 23ft
Total Dimensions: -
Total Weight: -

Auto control system with LCD show
Industrial silencer
100 gal. fuel tank
Battery charger and Start battery
3P circuit breaker (160A)

Special Orders - Special Requirements
Contact us for special requirements

Enclosure Rating: NEMA 3R, Ventilated, w/ Stainless Steel Hings, Maintenance Door, Cable output Placement, Emergency Stop and Fresh Air Inlet Cooling System
Enclosure Finish: Grey
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.

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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-DG30-SLZ-ATS-M2 Skid Mounted Diesel Generator Power Distribution provides single-phase 120/240V in remote locations or sites requiring access to temporary power. Equipped with a diesel engine, this system features a battery charger.

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

The MPD-PMG-DG30-SLZ-ATS-M2 gives operators the ability to power their temporary equipment from a single system. A 30 kW diesel generator features single-phase 120/240V, 60Hz. Equipped with camlock connections, the sound attenuated generator has an external fuel system and cold start options. Operators may access a DSE6120 Controller, battery charger, battery disconnect and toolbox on the system.

Trailer: The diesel generator is secured on a skid platform for portable applications.

Applications: This power distribution solution is ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where external power sources are often necessary. We also offer class rated transformers for use within explosion proof and hazardous location environments.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/341325.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=IPNHyFMNgzY)
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