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MPD-TM-DG33-YG.J.K.L-M1

33 KW Diesel Generator Power Distribution - 440Y/254 x 415Y/240 x 400Y/230 x 380Y/220 Wye-N (Selectable) Nominal Voltage - Silent - Trailer Mount

Product ID: 325025

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



Image: MPD-TM-DG33-YG.J.K.L-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-TM-DG33-YG.J.K.L-M1 Trailer Mounted Diesel generator

Generator Ratings

Phase: Three-phase
Frequency: 50 Hz
Power Factor: 0.8
Nominal Voltage: 440Y/254 Wye-N x 415Y/240 Wye-N x 400Y/230 Wye-N x 380Y/220 Wye-N
Voltage Selector Switch: Included
Standby Power: 33 KW / 41.25 KVA
Prime Power: 30 KW / 37.5 KVA
Prime Current: 52.49A (@ 440Y/254 Wye-N Three Phase, 0.8 PF), 55.65A (@ 415Y/240 Wye-N Three Phase, 0.8 PF), 57.74A (@ 400Y/230 Wye-N Three Phase, 0.8 PF), 60.78A (@ 380Y/220 Wye-N Three Phase, 0.8 PF)

General Engine Specs

Air Intake System: Turbocharged
Fuel System: BYC A Direct Injection
Cylinder Arrangement: 4 in line
Engine Rated Speed: 1500 rpm
Governor Type: Electronic Speed Control System/RSV Mechanical
Max. Standby Power: 40 KW
Bore * Stroke: 4.016" x 4.72"
Displacement: 1.03 Gallons

Ratings/Approvals

CSA Listed
Complies with EPA Tier 4

Made in the USA

Features

Compression Ratio: 17.3:1

Fuel System

Fuel Consumption (@ 100% Output Prime Power): 214 g/kWH
Fuel Consumption (@ 75% Output Prime Power): 223 g/kWH
Fuel Consumption (@ 50% Output Prime Power): 244 g/kWH
Fuel Consumption (@ 110% Output Prime Power): 2.3 Gallons/Hr
Diesel Exhaust Fluid (DEF) Tank Capacity: 12 gallons
DEF Consumption Rate (@ Standby 100%): 0.34 gallons
Base Fuel Tank Capacity: 165 gallons
Fuel Max. Run Time: 39 Hours
Lockable External Fuel Access: Included

Exhaust System

Exhaust Gas Flow: 1,711.8 Gallons/min.
Exhaust Temperature: 487□
Max Back Pressure: 1.45 PSI
Selective Catalytic Reduction (SCR): Included
Diesel Oxidation Catalyst (DOC): Included

Air Intake System

Max Intake Restriction: 0.92 PSI
Burning Capacity: 710.62 Gallons/min.
Air Flow: 38,569.12 Gallons/min.

Cooling System

Total Coolant Capacity: 5.55 Gallons
Thermostat: 82-95□
Max Water Temperature: 104□

Lubrication System

Total Oil Capacity: 2.9 Gallons
Oil Consumption: ≤ 4.0 g/kWH
Engine Oil Tank Capacity: 2.51 Gallons
Oil Pressure at Rated RPM: 50 PSI

Alternator Data

Number of Phase: 3
Connecting Type: 3 phase and 4 wires ,"Y" type connecting
Number of bearing: 1
Power factor: 0.8
Protection grade: NEMA 3R
Altitude: ≤3,300ft Above sea Level
Exciter type: Brushless, self-exciting
Insulation class: H
Telephone influence factor (TIF): ≤ 50
THF: ≤ 2.0%
Alternator Capacity: 37.5 KVA
Alternator Efficiencies: 85%
Air Cooling Flow: 23.77 Gallons/sec.

Gen-set Data

Voltage Regulation: ≥±5%
Voltage Regulation, Steady State: ≤±1%
Sudden Voltage Warp: ≤+25%
Voltage Stable Time: ≤6S
Voltage unbalance: ≤1%

Radiator 50□ max, fans are driven by belt, with safety guard
24V charge alternator
Alternator: single bearing alternator IP23, insulation class H/H
Absorber
Dry type air filter, fuel filter, oil filter
Main line circuit breaker
Standard control panel
Batteries, rack and cable
Ripple flex exhaust pipe, exhaust siphon, flange, muffler
User manual

Frequency Regulation, Steady State: ≤5%
Frequency Waving: ≤1.5%
Sudden Frequency Warp: ≤+12%
Transient frequency deviation: ≤-10%
Frequency Recovery Time: ≤5S

Controller System: DeepSea7310 MKII
External Remote Shutdown (E-stop): Included, located near the power output connection
Oil & Coolant Containment: Included, 110%
Total Dimensions: 112"L x 65"W x 92"H
Total Weight: +/- 3,700 Lbs
Enclosure Rating: NEMA 3R, Powder-coated aluminum enclosure with a 3-Point Contact deep ladder
Enclosure Finish: Grey
Shipping Dimensions: -
Shipping Weight: -
Warranty: The standard warranty period: 1-year unlimited hours and a 2-year 2,000 hours warranty.
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.

Special Orders - Special Requirements
Contact us for special requirements

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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-TM-DG33-YG.J.K.L-M1 Trailer Mounted Diesel Generator Power Distribution provides 440Y/254 x 415Y/240 x 400Y/230 x 380Y/220 Wye-N in remote locations or sites requiring access to temporary power.

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

The MPD-TM-DG33-YG.J.K.L-M1 gives operators the ability to power their temporary equipment from a single system. The diesel generator features 440Y/254 x 415Y/240 x 400Y/230 x 380Y/220 Wye-N, 50Hz selectable voltages. This unit is capable of generating 33 KW during use (stand-by rating). Equipped with camlock connections, the sound attenuated generator has an external fuel system and cold start options. Operators may access a DSE7310 Controller, battery charger, battery disconnect and toolbox on the system.

Mounting: The diesel generator is trailer-mounted.

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

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Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/325025.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/325025.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)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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