Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

DPG-20KW-1P-120.240

20 kW Portable Generator - DeepSea Controller - 120/240V 60 Hz - 1PH - Diesel - IP65

Product ID: 148203

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



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.

DPG-20KW-1P-120.240 20 kW Portable Generator

Genset: Custom
Dimensions: 78.5" x 41.7" x 33.4"
Weight: 1,543 lbs (Dry), 1,653 lbs (Wet)
Engine: Perkins/404D-22G (Diesel) 28.9 HP (Tier 4F)
Engine Type: 4-cycle, Water Cooled, Direct Injection, Natural Intake
Engine Speed: 1,800 RPM
Cylinders: 4
Fuel Capacity: N/A (Customer Provided)
Fuel Consumption @ 75% Load: 0.95 Gal/Hr
Voltage: 120/240V 60Hz 1PH
Rated Power: 20 kW
Rated Standby Output: 22 kW
Starting System: Electric
Battery: 12V @ 60 Ah
Sound Level @ Full Load/23 ft: 65 dBA
Operating Temp Range: 40° to 85° C
Materials: Steel w/ Powder Coated Finish
Output: (5) Power Output, (1) ATS Plug
Communication Port: USB

Quick Summary

Weatherproof (IP65 Waterproof)
Soundproof
Digital Engine Gauges
High Visibility LCD Display
Emergency Stop Switch
Deepsea Controller

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics DPG-20KW-1P-120.240 portable, brushless

generator is a fuel type unit with a powerful 1,800 rpm, four-cylinder diesel engine. It can produce 20 kW (prime) and supports single-phase 120/240V 60 Hz. A Deepsea controller provides operators with robust monitoring options and configurations. This IP65-rated unit boasts a low profile and sturdy design for reliable application in outdoor work sites.

The DPG-20KW-1P-120.240 is powered by a 4-cycle, water cooled, direct injection, natural intake Perkins/404D-22G engine (diesel). With engine speeds of 1,800 rpm, the four-cylinder unit is capable of generating 22 kW on standby and 20 kW during prime use. It features a 12V DC electric starting system. At full load, this unit consumes 1.23 gallons of fuel per hour. The genset is constructed of steel with a powder coated finish for protection in outdoor environments. This IP65-rated unit is capable of operating between 40°C and 85°C.

The rotating field, self-ventilated generator is designed to support 120/240V 60Hz. It features single-phase 120/240V at 48.11 amps, as well as five power outputs and an ATS plug. This unit will automatically shut down in the event of an abnormal condition related to water temperature, engine oil pressure, low coolant, low DEF, overspeed and overcrank. An emergency stop switch allows operators to manually shut down the system.

A DSE3110 Deepsea controller provides operators with a wide viewing panel and robust monitoring of the brushless generator. The system displays frequency, battery voltage, runtime and more. A protective feature notifies operators about low oil pressure, high water temperature, over/under voltage and over/under speed. The controller can be used in manual or auto start mode. Configurable timers and alarms provide flexibility and real-time monitoring of the system.

The DPG-20KW-1P-120.240 comes with several noise-reduction features that can streamline its application in demanding work sites. With a full load and at a distance of 23 feet, the unit emits 65 dbA of sound, which is equivalent to the noise level of a compact hair dryer.

Applications: This portable generator is suitable for use in remote locations, such as temporary camps, construction sites, military bases and areas without reliable access to the grid. It can be utilized to power a wide range of heavy duty tools and equipment, including laptops, portable machines and mobile devices. The unit’s robust recharging options offer flexibility in environments where access to reliable power sources are severely limited.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

DPG-20KW-1P-120.240

Product ID: 148203

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**