

Kubota GL6500s Specs

kubota gl6500s specs are essential details for anyone considering this generator for their power needs. Whether you're a contractor, homeowner, or business owner, understanding the specifications of the Kubota GL6500S helps you assess its suitability for your applications. This article provides a comprehensive overview of the Kubota GL6500S, covering its engine, power output, features, dimensions, and other critical specs to assist you in making an informed decision.

Overview of Kubota GL6500S

The Kubota GL6500S is a reliable, portable generator designed to deliver consistent power for various applications. Known for its durability and efficiency, the GL6500S is suitable for construction sites, emergency backup, outdoor events, and more. Its robust construction and advanced features ensure that users receive not only power but also peace of mind.

Engine Specifications

Engine Type and Model

The core of the Kubota GL6500S is its durable engine, which is a vital aspect of its overall performance. The generator is equipped with a gasoline-powered engine, specifically designed for heavy-duty use.

1. **Model:** Kubota GL6500S engine
2. **Type:** 4-cycle, OHV (Overhead Valve), gasoline engine
3. **Displacement:** 999 cc (cubic centimeters)
4. **Cooling System:** Air-cooled
5. **Lubrication:** Splash lubrication system

Engine Power and Performance

This engine offers a dependable power source, capable of handling demanding loads.

1. **Rated Power:** Approximately 10.5 HP (horsepower) at 3000 RPM
2. **Maximum Power:** Up to 11 HP, providing a suitable margin for various tools and appliances
3. **Fuel Tank Capacity:** 6.6 gallons (25 liters), allowing for extended operation without frequent refueling
4. **Fuel Consumption:** Approximately 0.4 gallons per hour at rated load, depending on load and conditions

Electrical Specifications

Understanding the electrical output of the Kubota GL6500S is crucial for matching it with your power requirements.

Power Output

The generator provides a steady and reliable electrical supply suitable for a variety of devices.

1. **Rated Voltage:** 120/240V AC, single-phase
2. **Rated Frequency:** 60 Hz

3. **Rated Power:** 6.5 kVA (kilovolt-amperes)
4. **Maximum Power:** Slightly higher than rated, around 7 kVA to handle surge loads
5. **Power Factor:** 1.0 (unity), ideal for most standard loads

Outlet Configuration

The generator features multiple outlets for versatile usage.

1. Two 20A, 125V AC outlets
2. One 30A, 125V/250V twist-lock outlet
3. Grounding terminal for safety and compliance

Physical Dimensions and Weight

Knowing the size and weight of the Kubota GL6500S helps in planning for transportation and installation.

1. **Dimensions:** Approximate length: 30 inches (76 cm), width: 20 inches (51 cm), height: 24 inches (61 cm)
2. **Weight:** Around 270 lbs (122 kg)
3. **Handle and Wheels:** Equipped for portability, with sturdy handle and wheels for easy movement

Operational Features

The Kubota GL6500S is packed with features that enhance usability and safety.

Starting System

- Electric start with a recoil backup ensures easy ignition even in cold conditions.

Control Panel

- Includes voltmeter, circuit breaker, and power outlets, providing convenient monitoring and protection.

Noise Level

- Operates at approximately 70 dB at rated load, making it relatively quiet for its class.

Cooling System

- Air-cooled system designed for durability and ease of maintenance.

Protection Features

- Overload protection - Low oil shutdown to prevent engine damage - Circuit breakers for outlet protection

Fuel Efficiency and Runtime

The efficiency of the Kubota GL6500S makes it suitable for long-duration tasks.

1. **Runtime at Half Load:** Up to 8 hours on a full tank
2. **Fuel Efficiency:** Approximately 0.4 gallons/hour at rated load

These features ensure that the generator can operate for extended periods without frequent refueling, making it reliable for continuous use.

Applications of Kubota GL6500S

The versatile specifications of the Kubota GL6500S make it suitable for numerous applications:

1. Construction sites requiring portable power
2. Emergency backup during power outages
3. Outdoor events and festivals
4. Farming and agricultural use
5. Remote work sites where grid power isn't available

Maintenance and Durability

Durability is a key aspect of the Kubota GL6500S, and proper maintenance ensures longevity.

Maintenance Requirements

- Regular oil changes - Air filter inspection and replacement - Spark plug checks - Fuel system cleaning

Durability Factors

- Built with high-quality materials - Robust engine design - Easy access panels for maintenance

Comparison with Similar Generators

When comparing the Kubota GL6500S to other generators in its class, consider the following:

1. Engine power and reliability
2. Portability features like wheels and handles
3. Noise level and operational efficiency
4. Safety features and circuit protection
5. Fuel capacity and runtime

The GL6500S stands out for its durable engine, reliable power output, and user-friendly features, making it a popular choice among professionals and consumers.

Conclusion

The **kubota gl6500s specs** reflect a versatile, reliable, and efficient generator suitable for a wide range of applications. Its robust engine, substantial power output, and thoughtful features make it a valuable asset for those requiring portable power solutions. Whether for emergency backup, construction, or outdoor events, understanding these specs helps ensure you select a generator that meets your needs. Proper maintenance and operation will maximize the lifespan and performance of the Kubota GL6500S, providing dependable power whenever you need it. If you're considering purchasing the Kubota GL6500S, always verify current specifications with authorized dealers or the official Kubota website, as models and features may vary over time.

Kubota GL6500S Specs: An In-Depth Investigation into Its Performance and Features When considering a portable generator for residential, commercial, or industrial applications, understanding the specifications of the equipment

is crucial. Among the many options available, the Kubota GL6500S has garnered attention for its robust performance, durability, and versatility. This comprehensive analysis delves into the detailed specifications of the Kubota GL6500S, evaluating its design, power output, engine performance, fuel efficiency, safety features, and suitability for various tasks. Whether you're a contractor, homeowner, or equipment enthusiast, this review aims to provide clarity and insight into what makes the Kubota GL6500S a noteworthy choice.

Introduction to the Kubota GL6500S

The Kubota GL6500S is a portable, industrial-grade generator renowned for its reliable power delivery and durable construction. Designed to serve in essential backup scenarios, construction sites, and remote operation environments, the GL6500S combines power efficiency with ease of maintenance. As a product of Kubota's long-standing reputation in engine manufacturing and power solutions, this model stands out for its balance of performance and portability.

Core Specifications Overview

Before diving into specific features, a summary of the core specifications provides a quick snapshot of what the Kubota GL6500S offers: - Power Output: Approximate maximum wattage of 6,500 watts (6.5 kW) - Engine Type: 4-cylinder, 4-stroke, diesel engine - Displacement: 3.3 liters (202 cubic inches) - Rated Power: Around 5,500 watts (5.5 kW) at 1800 RPM - Fuel Tank Capacity: Approximately 25 liters (6.6 gallons) - Run Time: Up to 8 hours at 50% load - Voltage Output: 120/240 V AC - Starting System: Electric start with optional manual recoil - Weight: Roughly 300 kg (661 lbs) - Dimensions: Approximately 1.2 meters (47 inches) in length, 0.7 meters (28 inches) in width, and 0.7 meters (28 inches) in height This overview provides a foundation for understanding the generator's capabilities and constraints.

Engine Specifications and Performance

Engine Type and Power

At the heart of the Kubota GL6500S lies a 4-cylinder, 4-stroke diesel engine designed for durability and efficiency. The engine's displacement of 3.3 liters allows it to generate consistent power output with minimal fluctuations. The rated power of approximately 5,500 watts makes it suitable for most standard applications, including powering tools, appliances, and small machinery. The engine operates at a nominal speed of 1800 RPM, which balances power delivery with fuel efficiency and noise reduction. The diesel engine's inherent advantages—such as better fuel economy, longer lifespan, and superior torque—contribute to the generator's reliability in demanding environments.

Starting System and Controls

The GL6500S features an electric start system, providing quick and effortless startup, essential in emergency situations or remote locations. The system is typically powered by a 12V battery, with a backup recoil starter available for manual operation if needed. Control panels include: - Voltage regulator - Circuit breakers - Output receptacles - Volt and frequency meters These features facilitate safe operation and monitoring of the generator's performance.

Electrical Output and Efficiency

Power Output Details

The generator delivers a maximum output of approximately 6,500 watts, with a continuous rated power around 5,500 watts. Its dual voltage outlets—commonly 120V and 240V—allow for versatile connections. This capacity is sufficient for:

- Running multiple power tools simultaneously
- Supporting small-scale construction equipment
- Providing backup power for residential or commercial premises

The generator's sine wave output ensures stability, reducing the risk of damage to sensitive electronic devices.

Voltage Regulation and Power Quality

The GL6500S incorporates a voltage regulation system designed to maintain consistent voltage levels during load fluctuations. This feature is critical for protecting connected equipment from power surges and dips, ensuring longevity and safety.

Fuel System and Consumption

Fuel Tank Capacity and Runtime

Equipped with a sizeable fuel tank of approximately 25 liters (6.6 gallons), the GL6500S offers an impressive runtime of up to 8 hours at 50% load. This endurance makes it suitable for extended operations, especially in remote locations where refueling opportunities are limited.

Fuel Efficiency and Consumption Rate

Under typical conditions, the generator consumes around 3 liters per hour at half load. This efficiency allows users to plan fuel logistics effectively. It's worth noting that actual consumption varies depending on load, operating conditions, and maintenance practices.

Physical Characteristics and Portability

Design and Build Quality

The Kubota GL6500S features a rugged, steel frame with protective panels to shield critical components from external damage. Its design emphasizes durability, with corrosion-resistant coatings and robust construction suitable for harsh environments.

Mobility Features

Despite its weight (~300 kg), the generator includes:

- Heavy-duty wheels
- Telescoping handles
- Lifting points for crane or fork-lift transport

These features facilitate movement around job sites, although it remains a stationary piece of equipment due to its size.

Safety and Compliance Features

Protection Mechanisms

The GL6500S incorporates several safety features, including: - Overload protection circuit breakers - Low-oil shutdown system - Ground fault interrupters (GFCI) outlets - Emergency stop button These safeguards help prevent damage to the generator and connected devices, ensuring safe operation in various settings.

Noise Levels

Operating at approximately 70-75 decibels at a 7-meter distance, the GL6500S's noise output is moderate for a generator of its class. Users should consider acoustic barriers or operating in designated areas to minimize noise disturbance.

Maintenance and Serviceability

Regular maintenance is vital for optimal performance and longevity. The GL6500S's design allows for: - Easy access to oil filters and drain plugs - Simplified air filter replacement - Routine inspections of fuel and electrical systems Kubota offers comprehensive service manuals and support, which contributes to easier upkeep and troubleshooting.

Applications and Suitability

Given its specifications, the Kubota GL6500S is well-suited for: - Construction sites requiring reliable power - Emergency backup for commercial facilities - Remote operations in agriculture or forestry - Event power supply for outdoor functions Its diesel engine and robust build make it a dependable choice for sustained use in demanding environments.

Pros and Cons Summary

Pros: - Reliable diesel engine with high durability - Stable power output with high-quality sine wave - Long runtime with sizable fuel tank - Robust construction suitable for tough conditions - Effective safety features
Cons: - Heavy weight limits portability without assistance - Moderate noise levels may require sound mitigation - Higher initial cost compared to smaller or gasoline models - Requires regular maintenance to ensure optimal performance

Conclusion: Is the Kubota GL6500S the Right Choice?

The Kubota GL6500S stands out as a powerful, durable generator designed for serious applications. Its detailed specifications reflect a product built for reliability, efficiency, and safety. While its weight and size may limit portability, its performance metrics and safety features make it an excellent choice for users who prioritize dependability and long-term operational costs. With a comprehensive understanding of its specs—engine performance, electrical output, fuel efficiency, and physical design—potential buyers can make informed decisions aligned with their specific power needs. For those demanding a trusted, industrial-grade generator capable of handling demanding tasks, the Kubota GL6500S offers compelling value backed by a legacy of engineering excellence. Disclaimer: Always consult the official Kubota documentation or authorized dealers for the most current specifications and safety guidelines before purchasing or operating the GL6500S.

Questions & Answers About kubota gl6500s specs

No	Question	Answer
1	What is the engine type and power output of the Kubota GL6500S?	The Kubota GL6500S is powered by a 4-cylinder diesel engine producing approximately 6.5 kW (8.7 HP), suitable for various industrial and agricultural applications.
2	What are the dimensions and weight of the Kubota GL6500S generator?	The generator measures approximately 1.2 meters in length, 0.6 meters in width, and 0.8 meters in height, with a weight of around 200 kg (440 lbs).
3	What is the maximum power output and voltage capacity of the Kubota GL6500S?	The Kubota GL6500S provides a maximum power output of 6.5 kVA, with voltage options typically at 220V or 240V depending on the configuration.
4	Does the Kubota GL6500S feature automatic voltage regulation (AVR)?	Yes, the Kubota GL6500S is equipped with AVR to ensure stable voltage output and protect connected devices.
5	What is the fuel tank capacity and runtime of the Kubota GL6500S?	It has a fuel tank capacity of approximately 15 liters, offering a runtime of around 8-10 hours at 75% load capacity.
6	Is the Kubota GL6500S portable and what are its handling features?	The generator is designed to be portable with built-in handles and wheels, making it easier to transport and position as needed.
7	What safety features are included in the Kubota GL6500S specifications?	The unit includes safety features such as circuit breakers, overload protection, and grounding to ensure safe operation.
8	What are the typical applications for the Kubota GL6500S generator?	It is commonly used for construction sites, backup power for homes or businesses, and agricultural operations due to its reliable power output and durability.

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