

Jd 6600 Combine Specs

jd 6600 combine specs are a topic of great interest for farmers and agricultural machinery enthusiasts seeking detailed information about this popular model. The JD 6600, manufactured by John Deere, is renowned for its reliability, efficiency, and advanced features that make it a valuable asset during harvest season. Whether you're a seasoned operator or considering purchasing a used model, understanding the specifications of the JD 6600 combine is essential to ensure it meets your farming needs. In this article, we will explore the comprehensive JD 6600 combine specs, covering engine details, harvesting capacity, features, dimensions, and more. This detailed overview aims to help you make informed decisions and optimize your harvesting operations.

Overview of JD 6600 Combine

The John Deere 6600 is a classic combine harvester produced in the late 1970s and early 1980s. It belongs to the 6600 series, which was known for its robust construction and innovative features at the time. The JD 6600 was designed to combine high capacity with ease of operation, making it a popular choice among large-scale farmers and contractors. Understanding the specs of the JD 6600 can help operators maximize its performance and ensure compatibility with their farming requirements. Below, we delve into the core specifications of this model.

Engine Specifications

The engine is the heart of any combine, providing the power necessary for harvesting operations. The JD 6600 is equipped with a reliable engine designed to deliver consistent performance.

Engine Model and Type

1. Engine Model: John Deere 4045T
2. Type: Turbocharged, 4-cylinder diesel engine

Engine Performance

1. Gross Power: Approximately 115 horsepower (86 kW)
2. Net Power: Roughly 105 horsepower (78 kW)
3. Displacement: 4.5 liters
4. Fuel System: Direct injection

Engine Features

1. Turbocharging for increased power and efficiency
2. Mechanical governor for precise throttle control
3. Accessible engine compartment for maintenance

Harvesting and Grain Handling Capacity

The JD 6600 is known for its impressive capacity, enabling efficient harvesting of various crops such as wheat, soybeans, barley, and corn.

Threshing and Separation

1. Threshing System: Rotor-based
2. Rotor Diameter: Approximately 20 inches
3. Separation Efficiency: High, with adjustable concaves and rotor clearance

Grain Tank Capacity

1. Standard Grain Tank Capacity: 12,000 to 16,000 bushels per hour
2. Grain Tank Capacity: Approximately 200 bushels (varies with model specifics)
3. Unloading Auger: High-capacity, capable of unloading in under 2 minutes

Feeding and Conveyance System

1. Feeder House: Adjustable for crop conditions
2. Conveyors: Durable chain and belt systems for smooth grain transfer

Header Compatibility and Options

The JD 6600 is compatible with a range of headers, increasing its versatility across different crops and harvesting conditions.

Header Types

1. Grain Headers: 13 to 20 feet wide
2. Flex Headers: For uneven terrain and contour harvesting
3. Corn Heads: 4, 6, or 8-row configurations

Header Features

1. Quick-attach mechanisms for ease of changing headers
2. Adjustable reel speeds and auger positions

Dimensions and Operating Weight

Understanding the size and weight of the JD 6600 is crucial for transportation, storage, and field maneuverability.

Dimensions

1. Length: Approximately 25 feet (7.6 meters)
2. Width (with typical header): 13 to 20 feet (4 to 6 meters)
3. Height: Around 12 feet (3.7 meters)
4. Wheelbase: Approximately 12 feet (3.7 meters)

Operating Weight

1. Weight Range: 16,000 to 18,000 pounds (7,257 to 8,165 kg)
2. Factors Affecting Weight: Installed headers, extra accessories, and modifications

Drive and Transmission System

Efficient power transfer and smooth operation are critical features of the JD 6600.

Drive System

1. Type: 2WD (two-wheel drive) or optional 4WD
2. Drive Components: Heavy-duty axles and differential locks for traction

Transmission

1. Type: Manual, gear-driven transmission
2. Gears: Usually 4 to 6 forward gears and 1 to 2 reverse gears
3. Clutch: Mechanical clutch for gear engagement

Additional Features and Specifications

The JD 6600 includes several features that enhance efficiency, comfort, and maintenance.

Cab and Operator Comfort

1. Open or enclosed cab options
2. Visibility: Large windows and adjustable mirrors
3. Controls: Ergonomically designed for ease of operation

Hydraulics and Hydraulics System

1. Hydraulic Pump Capacity: Approximately 10-15 gallons per minute
2. Uses: Header lift, reel adjustment, and conveyor operation

Maintenance and Serviceability

1. Accessible engine components
2. Easy-to-reach lubrication points
3. Diagnostic indicators for troubleshooting

Summary of JD 6600 Combine Specs

To summarize, here are some of the key specifications of the JD 6600 combine:

1. Engine: John Deere 4045T, 115 HP gross power
2. Grain tank capacity: Up to 16,000 bushels/hour
3. Header compatibility: 13-20 ft grain headers, corn heads
4. Dimensions: Length ~25 ft, width with header 13-20 ft, height ~12 ft
5. Weight: 16,000-18,000 lbs
6. Drive: 2WD or optional 4WD, manual transmission
7. Features: Efficient threshing rotor, adjustable concaves, and high-capacity unloading auger

Understanding these specs can help farmers determine whether the JD 6600 is suitable for their harvesting needs and how to optimize its use. Although it is an older model, the JD 6600 remains a reliable, efficient choice for harvesting, especially when properly maintained. Final Thoughts The JD 6600 combine specs highlight its robust build, powerful engine, and versatile harvesting capabilities. For those interested in vintage or used combine harvesters, knowing the detailed specifications can aid in assessing its suitability and potential performance. Whether upgrading your equipment or expanding your fleet, the JD 6600's specs make it a noteworthy option in the world of agricultural machinery.

JD 6600 Combine Specs: An In-Depth Review of John Deere's Versatile Harvesting Machine
The JD 6600 combine specs reveal a machine designed with efficiency, reliability, and

advanced technology to meet the demands of modern agriculture. As a flagship model in John Deere's line-up of combines, the JD 6600 offers a compelling blend of power, capacity, and operator comfort. Whether you're a seasoned farmer or a newcomer to large-scale harvesting, understanding the detailed specifications of the JD 6600 is essential to gauge whether it aligns with your operational needs. This review aims to explore every facet of the JD 6600, breaking down its features, performance parameters, pros and cons, and how it compares to other models in its class.

Overview of JD 6600 Combine

The JD 6600 was produced during the late 20th century and became a popular choice among farmers looking for a reliable, high-capacity combine harvester. Known for its durability and innovative features for its time, the JD 6600 remains relevant today for those restoring older equipment or seeking parts and expertise for vintage combines. Although it's no longer in mass production, the specifications and performance benchmarks of the JD 6600 continue to influence modern combine design.

Engine and Power Specifications

Engine Type and Capacity

The JD 6600 is powered by a John Deere 6-cylinder diesel engine, typically with a capacity of 6.8 to 7.6 liters (varies slightly based on the model year and regional variations). This engine provides a robust power output suitable for a range of crops and field conditions. Key features include: - Horsepower (HP): Ranges from approximately 130 to 160 HP, providing ample power for harvesting operations. - Engine Type: Turbocharged diesel engine, offering better fuel efficiency and power delivery. - Fuel Capacity: Around 200 gallons, ensuring extended operation without frequent refueling. Pros: - Durable and proven engine design. - Good fuel efficiency relative to older models. - Suitable for large-scale farming. Cons: - Older engine technology may lack the fuel economy of modern engines. - Potential difficulty in sourcing parts for vintage engines.

Performance and Efficiency

The engine's power allows the JD 6600 to handle various crops, including corn, wheat, soybeans, and oats, with ease. Its power-to-weight ratio ensures efficient throughput and minimal downtime during harvest.

Threshing and Separation System

Threshing Drum and Concave

The JD 6600 employs a rotary threshing system with a large threshing drum designed to maximize grain separation while minimizing grain damage. Features: - Threshing drum diameter: Approximately 24 inches. - Concave adjustment: Mechanically adjustable to optimize threshing for different crops. - Rotor speed: Variable, allowing customization based on crop type. Pros: - High capacity threshing suitable for large fields. - Adjustable settings allow for crop-specific optimization. - Reduced grain loss compared to older models. Cons: - Increased complexity requiring regular maintenance. - Potential for mechanical wear over time.

Separation and Cleaning System

The combine features a rotary separation system with a wide cleaning shoe, enhancing grain cleanliness and separation efficiency. Features include: - Cleaning shoe width: Typically around 8 to 10 feet. - Sieve adjustment: Manual or mechanical, depending on the model year. - Grain tank capacity: Usually 12 to 16 bushels, facilitating longer operating periods between unloads. Pros: - Effective separation reduces grain loss. - Large cleaning area ensures cleaner grain output. - Suitable for diverse crop conditions. Cons: - Larger cleaning systems can add weight and complexity. - Maintenance of sieves and cleaning components requires attention.

Threshing and Grain Handling

Grain Tank and Unloading System

The JD 6600 is equipped with a grain tank capacity that ranges from 12 to 16 bushels, with an unloading auger capable of transferring grain efficiently. Features: - Unloading rate: Approximately 4 to 5 bushels per minute. - Auger length: Designed for easy operation and minimal grain spillage. - Unloading height: Sufficient to transfer grain into trucks or carts without difficulty. Pros: - High unload rate improves harvesting efficiency. - Long auger enhances reach and reduces operator fatigue. - Compatible with modern grain carts. Cons: - Smaller capacity compared to newer models. - Manual operation of unloading auger can be labor-intensive.

Straw Handling and Residue Management

The JD 6600 features a straw chopper or spreader system to manage residual plant

material post-harvest. Features include: - Adjustable chopper blades. - Optional straw spreaders for even residue distribution. Pros: - Helps in field leveling for subsequent planting. - Reduces fire hazard by dispersing straw uniformly. Cons: - Mechanical parts can wear or clog. - Limited options for residue management compared to modern systems.

Operator Comfort and Controls

Cab Design and Visibility

The JD 6600's cab is designed for operator comfort with features such as: - Ergonomic layout. - Large glass area for excellent visibility. - Basic climate controls (ventilation and heating). Pros: - Comfortable for long hours. - Good visibility reduces operator fatigue. Cons: - Lacks modern amenities like air conditioning or advanced ergonomics. - Noise levels can be high compared to newer models.

Control Systems

The combine features mechanical and early electronic controls, including: - Threshing and separation adjustments. - Grain tank monitoring. - Basic electronic diagnostics. Pros: - Relatively simple to operate and maintain. - Durable controls suited for rough field conditions. Cons: - Limited automation and precision. - Older technology may be less efficient.

Dimensions and Weight

Understanding the size and weight of the JD 6600 is crucial for transportation, storage, and field maneuverability. Typical dimensions: - Length: Approximately 25-30 feet. - Width: Around 12-14 feet (without extensions). - Height: About 12-14 feet. Weight: Usually in the range of 20,000 to 25,000 pounds. Pros: - Stable and sturdy construction. - Suitable for large fields with ample headroom. Cons: - Requires significant transportation equipment. - Not ideal for tight or small-field operations.

Maintenance and Durability

The JD 6600 is renowned for its durable build quality, with many units still operational decades after manufacture. Regular maintenance includes: - Engine oil and filter changes. - Threshing drum and rotor inspection. - Sieve and concave cleaning. - Electrical system checks. Pros: - Long-lasting with proper maintenance. - Abundant parts availability due to popularity. Cons: - Mechanical systems may require frequent adjustments. - Some components are prone to wear and may need replacement.

Comparison with Other Models

When evaluating the JD 6600, it's helpful to compare it with contemporaries like the JD 7700 or newer models. | Feature | JD 6600 | JD 7700 | Modern Comparable | |||| | Power | 130-160 HP | 150-200 HP | 200+ HP | | Capacity | Moderate | Higher | Higher | | Technology | Mechanical/Early Electronic | Advanced electronics | Fully automated and GPS-enabled | | Maintenance | Simpler | Slightly more complex | Modern systems | The JD 6600 remains a reliable choice for those operating vintage equipment, while newer models offer increased capacity and automation.

Final Thoughts

The JD 6600 combine specs reflect a machine that was ahead of its time, offering farmers a sturdy, efficient, and reliable harvest solution. Its powerful engine, effective threshing system, and durable construction make it a valuable asset for large-scale farming operations, especially for those who appreciate vintage equipment's simplicity. However, its older technology and limited capacity compared to modern combines mean that it's best suited for specific applications—whether for use in smaller farms, as a restoration project, or as a backup machine. Key takeaways: - The JD 6600 strikes a balance between power, capacity, and durability. - It's ideal for crops like corn and wheat, with customizable settings. - Maintenance and parts are accessible due to its popularity. - It may lack some modern automation, but still performs reliably. In conclusion, if you're considering the JD 6600 for your harvesting needs, understanding its specifications helps set realistic expectations and allows you to leverage its strengths effectively. Whether restoring an old unit or operating one in a niche setting, the JD 6600 continues to be a respected name in the history of combine harvesters.

Questions & Answers About jd 6600 combine specs

No	Question	Answer
1	What are the key specifications of the JD 6600 combine harvester?	The JD 6600 features a 6-cylinder engine, approximately 125-150 horsepower, a 15-18 ft cutting width, and a grain tank capacity of around 300-400 bushels, making it suitable for medium-sized farms.
2	Does the JD 6600 combine come with adjustable threshing settings?	Yes, the JD 6600 is equipped with adjustable threshing and separating settings, allowing operators to optimize performance based on crop type and conditions.

3	What is the fuel capacity of the JD 6600 combine?	The JD 6600 typically has a fuel tank capacity of approximately 50-60 gallons, providing sufficient run time for a day's harvest.
4	What are the dimensions and weight of the JD 6600 combine?	The combine measures around 20-25 feet in length, 10-12 feet in width, and weighs approximately 12,000 to 15,000 pounds, depending on the configuration and attachments.
5	Is the JD 6600 suitable for harvesting different types of crops?	Yes, the JD 6600 is versatile and suitable for harvesting crops like wheat, corn, soybeans, and barley, with appropriate adjustments and attachments.
6	Are there any modern updates or features in the JD 6600 specs compared to earlier models?	While the JD 6600 retains classic features, some newer models are equipped with updated cab ergonomics, improved threshing systems, and optional GPS guidance, depending on the production year and configuration.

JD 6600 combine, John Deere 6600 specs, JD 6600 combine horsepower, JD 6600 capacity, John Deere 6600 dimensions, JD 6600 engine details, JD 6600 harvest width, John Deere 6600 features, JD 6600 weight, JD 6600 model comparison