

Vermeer 206 Stump Grinder Specs

Vermeer 206 Stump Grinder Specs The Vermeer 206 Stump Grinder is a compact and highly efficient machine designed for professional stump removal and grinding tasks. Known for its durability, ease of operation, and powerful performance, the Vermeer 206 is a popular choice among arborists, landscapers, and forestry professionals. To fully understand its capabilities and suitability for various projects, it's essential to explore its detailed specifications. This article provides an in-depth overview of the Vermeer 206 Stump Grinder specs, including engine details, cutting capacity, maneuverability features, and technical dimensions.

Engine Specifications

Engine Type and Power

The Vermeer 206 stump grinder is equipped with a robust engine designed to deliver reliable power for demanding tasks. The typical engine configuration includes:

1. **Engine Model:** Honda GX390 or equivalent
2. **Type:** Air-cooled, 4-stroke gasoline engine
3. **Horsepower:** Approximately 13 HP (9.7 kW)
4. **Displacement:** 389 cc

This engine provides ample torque and power to grind through tough stumps efficiently, with enough reserve for extended use.

Fuel Capacity and Consumption

Understanding fuel capacity and efficiency is vital for planning work duration:

1. **Fuel Tank Capacity:** Around 3.2 gallons (12 liters)
2. **Fuel Consumption:** Approximately 0.4 gallons/hour under typical load conditions

The fuel capacity allows for extended operation without frequent refueling, increasing productivity.

Cutting and Grinding Capabilities

Cutting Width and Depth

The Vermeer 206 is designed to handle a wide range of stump sizes:

1. **Maximum Cutting Width:** Up to 12 inches (30.5 cm)
2. **Maximum Cutting Depth:** Up to 8 inches (20.3 cm) below ground level

This size range makes it suitable for residential and small commercial projects.

Cutting Wheel and Blade

The grinding mechanism is central to its effectiveness:

1. **Grinding Wheel Diameter:** 14 inches (35.6 cm)
2. **Blade Type:** Tungsten carbide-tipped cutting wheels
3. **Number of Teeth:** Typically 24 teeth for efficient material removal

The cutting wheel's design ensures smooth operation and efficient grinding of stumps and roots.

Grinding Capacity and Performance

The machine's performance metrics include:

1. Capability to grind stumps up to 12 inches in diameter effectively
2. Fast removal rates due to high-torque engine and sharp blades
3. Variable speed control for precise grinding depths

Mechanical and Structural Features

Chassis and Frame

The chassis of the Vermeer 206 is engineered for durability and stability:

1. **Frame Material:** Heavy-duty steel construction
2. **Design:** Compact and lightweight for easy maneuverability
3. **Weight:** Approximately 350 pounds (159 kg)

This build allows for easy transport and operation in tight spaces.

Wheel and Tire Specifications

Mobility is crucial for field operations:

1. **Wheels:** Pneumatic tires for shock absorption and smooth movement
2. **Wheel Size:** 13 inches (33 cm) diameter
3. **Drive System:** Self-propelled with adjustable speed options

Operational and Control Features

Hydraulic System

The Vermeer 206 utilizes hydraulic mechanisms for precise control:

1. **Hydraulic Pump:** Variable flow for smooth operation
2. **Hydraulic Controls:** Levers for controlling the grinding wheel's height and rotation
3. **Flow Rate:** Approximately 5 GPM (19 L/min)

Hydraulic features improve efficiency and reduce operator fatigue.

Control Panel and User Interface

Ease of use is a key design aspect:

1. **Controls:** Ergonomic levers and switches for operation
2. **Safety Features:** Emergency stop button and safety shields
3. **Visibility:** Clear view of grinding area for precision

Dimensions and Weight

Overall Dimensions

The machine's compact size enhances maneuverability:

1. **Length:** Approximately 48 inches (122 cm)
2. **Width:** Around 24 inches (61 cm)
3. **Height:** About 45 inches (114 cm)

Weight Specifications

The weight influences transport and operation considerations:

1. **Dry Weight:** Approximately 350 pounds (159 kg)
2. **Weight Distribution:** Balanced for stability during grinding

Additional Technical Details

Drive System and Mobility

The Vermeer 206 features a semi-self-propelled drive system:

1. Powered by the same engine as the grinding mechanism
2. Adjustable speed settings for optimal control

Maintenance and Serviceability

Routine maintenance ensures longevity:

1. Easy access to engine components and hydraulic parts
2. Replacement of blades and wear parts straightforward due to modular design
3. Recommended service intervals provided by manufacturer

Summary of Vermeer 206 Stump Grinder Specs

To summarize, the key specifications of the Vermeer 206 Stump Grinder are:

1. Engine: Honda GX390, 13 HP
2. Fuel Capacity: 3.2 gallons
3. Cutting Width: Up to 12 inches
4. Cutting Depth: Up to 8 inches below ground
5. Grinding Wheel Diameter: 14 inches
6. Weight: Approximately 350 pounds
7. Dimensions: 48" x 24" x 45"
8. Hydraulic System: Variable flow, 5 GPM

These specifications highlight the machine's capacity to efficiently perform stump grinding tasks within residential and small commercial settings, offering a balance of power, portability, and durability.

Conclusion

The Vermeer 206 Stump Grinder stands out as a reliable and versatile tool for stump removal projects. Its well-engineered specifications—ranging from a powerful Honda engine to precise hydraulic controls—make it suitable for a variety of job sizes. The compact dimensions and manageable weight facilitate

easy transport and operation, even in tight spaces. By understanding its detailed specifications, operators can better assess its suitability for their specific needs and ensure optimal performance and longevity from this robust piece of equipment. Whether you're tackling small residential stumps or undertaking more substantial forestry tasks, the Vermeer 206's specs provide a comprehensive overview of what makes it a trusted choice in the field.

Vermeer 206 Stump Grinder Specs: An In-Depth Review of Power, Performance, and Precision The Vermeer 206 Stump Grinder stands out as a versatile and powerful piece of equipment designed to tackle a wide range of stump removal tasks with efficiency and ease. Whether you're a professional arborist, landscaper, or property owner seeking reliable performance, understanding the detailed specifications of the Vermeer 206 is crucial for making an informed investment. In this comprehensive review, we'll explore every aspect of this machine—from engine power and cutting capabilities to mobility features—providing you with an expert-level understanding of its specs and what they mean in real-world applications.

Introduction to the Vermeer 206 Stump Grinder

The Vermeer 206 Stump Grinder is engineered to deliver high performance in a compact, maneuverable form factor. It combines durability, precision, and user-friendly features, making it a preferred choice for professionals needing to efficiently remove stumps of various sizes. Its specs are tailored to balance power and portability, ensuring maximum productivity without sacrificing ease of operation.

Engine Specifications

Engine Type and Power

At the heart of the Vermeer 206 is a robust engine designed to power through tough stumps with consistent performance. The machine is equipped with a Kohler Command PRO CH100 engine, which is renowned for its durability and reliability in demanding applications. - Engine Model: Kohler Command PRO CH100 - Type: 4-cycle, gasoline-powered engine - Displacement: 14.0 HP (10.4 kW) - Fuel Capacity: Approximately 3.4 gallons (12.9 liters) The engine's horsepower is optimized to provide ample torque for cutting and grinding operations, ensuring efficient removal even of larger or stubborn stumps. The 4-cycle design allows for smoother operation, lower emissions, and easier maintenance compared to 2-cycle engines.

Engine Features and Benefits

- High Torque Output: Facilitates aggressive grinding without bogging down under load. - Durability: Designed for continuous use in professional environments, with reinforced components. - Ease of Maintenance: Features accessible oil and air filters, straightforward spark plug replacement, and

simple fuel system access. - Fuel Efficiency: Designed to maximize run time per tank, reducing operational costs.

Cutting and Grinding Capabilities

Cutting Head and Teeth

The Vermeer 206 features a diamond-tipped cutting wheel that is engineered for precision and durability. The cutting head is mounted on a hydraulic system that allows for adjustable depth and angle, providing versatility in stump removal. - Cutting Wheel Diameter: Typically around 14 inches (355 mm) - Teeth: Replaceable carbide-tipped teeth designed for optimal cutting performance - Number of Teeth: Usually 8-10, depending on the model variant The carbide-tipped teeth are engineered to maintain sharpness longer, reducing downtime for replacements and sharpening. The cutting wheel's size and tooth design enable the grinder to efficiently chip away at stumps, roots, and residual wood.

Grinding Depth and Width

- Maximum Cutting Depth: Up to 12 inches (305 mm) below ground level - Cutting Width: Approximately 14 inches (355 mm) These specs allow the Vermeer 206 to handle most common stump sizes encountered in residential and commercial settings. Its capacity to grind below grade ensures complete removal and minimizes regrowth or trip hazards.

Grinding Speed and Efficiency

- Hydraulic System: Provides smooth, controlled movement of the cutting head - Grinding Rate: Capable of removing stumps at an average rate of about 1-2 inches per minute, depending on wood density and operator skill - Adjustability: The grinding head can be angled and rotated, allowing for precise access to difficult stump locations and orientations

Hydraulic System and Power Delivery

Hydraulic Pump and Controls

The Vermeer 206 is equipped with a high-capacity hydraulic pump that powers the grinding head and movement functions. The hydraulic system includes:

- Hydraulic Pump: Gear or piston pump, providing consistent flow and pressure - Hydraulic Controls: User-friendly levers allowing for precise control of the grinding head's angle, depth, and rotation - Flow Rate: Typically around 8-10 GPM (gallons per minute), ensuring smooth operation The hydraulic system's design emphasizes responsiveness and control, enabling operators to adapt to various stump sizes and soil conditions swiftly.

Operational Advantages

- Responsive Movement: Quick adjustments to grinding depth and angle - Reduced Operator Fatigue: Hydraulic controls require less physical effort - Enhanced Precision: Fine control over grinding process for cleaner results

Mobility and Frame Specifications

Dimensions and Weight

- Overall Length: Approximately 70 inches (1.78 meters) - Width: Around 40 inches (1.02 meters) - Height: About 45 inches (1.14 meters) - Weight: Approximately 650-700 pounds (295-317 kg) The relatively compact size and manageable weight make the Vermeer 206 highly portable, suitable for transport in standard pickup trucks or trailers. Its design facilitates easy maneuverability around tight landscape features.

Chassis and Frame Material

Constructed with heavy-duty steel, the frame provides stability during operation and supports the hydraulic and engine components. The durable chassis ensures longevity even in rugged environments.

Wheels and Mobility Features

- Wheels: Large, pneumatic tires for smooth movement over uneven terrain - Handlebars: Ergonomically designed for comfortable operation - Transport Features: Optional trailer hitch for easy towing; optional wheel kits for quick repositioning

Additional Features and Safety Measures

- Operator Platform: Non-slip surface and ergonomic controls - Safety Shields: Protective covers around moving parts - Emergency Stops: Easily accessible controls for immediate shutdown - Vibration Dampening: Designed to minimize operator fatigue and improve comfort

Operational Considerations and Maintenance

Maintaining the Vermeer 206 ensures longevity and consistent performance. Regular checks of the engine oil, hydraulic fluid levels, and teeth wear are essential. The machine's specs support straightforward maintenance routines, with accessible components and service points.

Summary of Vermeer 206 Stump Grinder Specs

| Specification | Description | || | Engine Model | Kohler Command PRO CH100 | | Engine Power | 14 HP (10.4 kW) | | Fuel Capacity | 3.4 gallons (~12.9 L) | | Cutting Wheel Diameter | 14 inches (~355 mm) | | Max Cutting Depth | 12 inches (~305 mm) | | Hydraulic Flow Rate | 8-10 GPM | | Overall Dimensions | ~70" x 40" x 45" | | Weight | 650-700 lbs (~295-317 kg) |

Final Thoughts: Is the Vermeer 206 Suitable for Your Needs?

The Vermeer 206 Stump Grinder offers a well-balanced blend of power, precision, and portability. Its specs demonstrate that it is capable of handling small to medium-sized stumps efficiently, making it an excellent choice for professional landscapers and serious homeowners alike. The robust engine, durable cutting system, and responsive hydraulic controls make it a reliable workhorse in the field. While its weight and size are optimized for transportation and maneuverability, it still maintains enough power and depth capacity to get the job done quickly and effectively. For those seeking a versatile stump grinder with detailed technical features, the Vermeer 206 stands out as a top-tier option backed by reputable engineering and design. In summary, understanding the specs of the Vermeer 206 Stump Grinder reveals a machine built for high performance in demanding conditions, offering the power, control, and durability necessary to execute professional-grade stump removal with confidence.

Questions & Answers About vermeer 206 stump grinder specs

No	Question	Answer
1	What are the key specifications of the Vermeer 206 stump grinder?	The Vermeer 206 stump grinder features a 25-horsepower engine, a cutting wheel diameter of up to 14 inches, and a maximum cutting depth of approximately 12 inches, making it suitable for residential and small commercial stump removal.
2	How much does the Vermeer 206 stump grinder weigh?	The Vermeer 206 stump grinder weighs approximately 440 pounds (200 kg), allowing for manageable transport and maneuverability on various job sites.
3	What is the cutting capacity of the Vermeer 206 stump grinder?	The Vermeer 206 can grind stumps up to 12 inches below ground level and has a cutting wheel size of 14 inches, providing efficient removal of small to medium-sized stumps.
4	Does the Vermeer 206 stump grinder have adjustable features?	Yes, it features adjustable height and tilt options for the cutting head, as well as a variable throttle for better control during operation.
5	What type of engine does the Vermeer 206 stump grinder use?	The Vermeer 206 is powered by a Honda GX390 gasoline engine, known for reliability and ease of maintenance.
6	Is the Vermeer 206 stump grinder suitable for commercial use?	While primarily designed for light residential work, the Vermeer 206's durability and performance make it suitable for small-scale commercial stump removal tasks.
7	What are the dimensions of the Vermeer 206 stump grinder?	The dimensions are approximately 54 inches in length, 24 inches in width, and 45 inches in height, allowing for easy transport and storage.
8	What safety features are included with the Vermeer 206 stump grinder?	It includes safety features such as a protective shield around the cutting wheel, emergency stop controls, and an operator presence switch to ensure safe operation.

Vermeer 206, stump grinder, specs, technical specifications, machine details, engine power, cutting capacity, weight, dimensions, features