

cat 236b specs

cat 236b specs are essential details for anyone considering this versatile compact track loader for their construction, landscaping, or agricultural projects. The Cat 236B is renowned for its reliability, performance, and advanced features that make it suitable for a wide range of applications. In this comprehensive guide, we will explore the detailed specifications of the Cat 236B, including its engine, dimensions, operating capacity, attachments, and more, to help you make an informed decision.

Overview of Cat 236B

The Caterpillar 236B is a compact track loader designed to deliver excellent power and maneuverability in tight spaces. It combines durability with innovative features, making it a popular choice among contractors, landscapers, and farmers. Its robust build and advanced technology enable it to handle various tasks efficiently.

Engine Specifications

Engine Model and Power

The heart of the Cat 236B is its reliable engine, which provides ample power for demanding tasks:

- **Engine Model:** Caterpillar 3054C
- **Type:** Turbocharged four-cylinder diesel engine
- **Gross Power:** Approximately 74 horsepower (55 kW)
- **Net Power:** Slightly less, around 70 horsepower (52 kW), depending on the configuration

Performance and Fuel Efficiency

The engine is designed to balance power with fuel economy, featuring:

- Electronic fuel injection for efficient combustion
- Variable flow turbocharger for better responsiveness
- Low emissions compliant with Tier 4 Final standards

Operating Capacity and Performance

Rated Operating Capacity

The Cat 236B offers a rated operating capacity that makes it suitable for various tasks:

- **Rated Operating Capacity (SAE):** Approximately 2,350 lbs (1,066 kg)
- **Operating Capacity at 50% of tipping load:** Around 4,700 lbs (2,133 kg)

Operating Weight

The total weight of the machine influences stability and mobility:

- **Operating Weight:** Approximately 9,500 lbs (4,310 kg)

Breakout Force and Hydraulic System

The hydraulic system is crucial for attachment performance:

- **Breakout Force (bucket):** Up to 6,500 lbs (2,954 kg)
- **Hydraulic Flow Rate:** 18.8 gallons per minute (71.2 liters/min)
- **Auxiliary Hydraulic Pressure:** 3,200 psi (22 MPa)

Dimensions and Ground Clearance

Overall Dimensions

Understanding the size of the 236B helps in planning for space and maneuverability:

- **Length with Standard Bucket:** Approximately 144 inches (365.8 cm)
- **Width:** 75 inches (190.5 cm) at the widest point
- **Height to Top of ROPS:** Around 80 inches (203.2 cm)

Ground Clearance and Track Details

For navigating uneven terrain:

- **Ground Clearance:** About 8 inches (20.3 cm)
- **Track Width:** 17 inches (43.2 cm)
- **Track Length:** Approximately 55 inches (139.7 cm)

Attachments and Versatility

Standard Attachments

The Cat 236B is compatible with a variety of attachments:

- Buckets (general purpose, rock, snow, and utility)
- Hydraulic hammers
- Grapples
- Augers
- Landscape rakes

Attachment Compatibility

The loader features quick-attach systems for rapid attachment changes, boosting productivity on-site.

Operator Comfort and Controls

Cab Features

The operator's cab is designed for comfort and safety:

- Ergonomic seat with adjustable features
- Clear visibility through large windows
- Climate control options (heater and defroster)
- Sound insulation for reduced noise exposure

Control Systems

The machine offers intuitive controls:

- Joystick controls for easy operation
- Electronic monitoring systems for diagnostics
- Optional telematics for remote tracking and maintenance alerts

Maintenance and Durability

Design for Ease of Maintenance

The Cat 236B is built with serviceability in mind:

- Accessible engine and hydraulic components
- Extended service intervals for oil and filters
- Durable undercarriage components designed for long-term use

Durability and Build Quality

Constructed with high-strength steel and reinforced components to withstand harsh working conditions, ensuring longevity and reduced downtime.

Pricing and Availability

While exact prices vary based on configurations, regions, and optional features, the Cat 236B typically falls in the mid-range price point for compact track loaders. It is widely available through authorized Caterpillar dealerships, with options for new or certified pre-owned units.

Conclusion

The Cat 236B is a powerful, reliable, and versatile machine equipped with specifications that meet the demands of various industries. Its engine performance, operating capacity, and attachment versatility make it suitable for tasks ranging from landscaping and construction to agriculture. Understanding its detailed specs enables buyers and operators to optimize its use, ensuring efficiency and productivity on every project.

For anyone considering investing in a compact track loader, the Cat 236B's specifications confirm its status as a dependable and high-performing choice. Be sure to consult with your local Caterpillar dealer for the most current specs, pricing, and available configurations tailored to your specific needs.

Frequently Asked Questions

What are the key specifications of the Cat 236B skid steer loader?

The Cat 236B skid steer loader features a rated operating capacity of approximately 2,600 lbs, a horsepower of 70 HP, and a maximum lift height of around 9.5 feet. It is equipped with a 2.4-liter engine and offers a tipping load of about 5,200 lbs, making it suitable for various construction and landscaping tasks.

What type of engine does the Cat 236B have?

The Cat 236B is powered by a Caterpillar 3054C turbocharged diesel engine, which provides reliable power and fuel efficiency suitable for demanding workloads.

What are the dimensions and weight of the Cat 236B?

The Cat 236B measures approximately 88 inches in width, 66 inches in height, and 138 inches in length. Its operating weight is around 8,700 pounds, contributing to stability and lifting capacity.

Does the Cat 236B support attachments, and what are its compatibility specs?

Yes, the Cat 236B is compatible with a variety of attachments such as buckets, augers, and trenchers. It features a standard auxiliary hydraulic system with flow rates up to 17 GPM, enabling versatile attachment use.

What are the safety and operator features of the Cat 236B?

The Cat 236B includes safety features like an enclosed cab with ROPS/FOPS certification, ergonomic controls, and an easy-to-access safety lock system to ensure operator safety during operation.

What are the maintenance specifications and intervals for the Cat 236B?

Routine maintenance for the Cat 236B includes daily checks of fluids and filters, with oil and filter changes recommended every 250 hours. Regular inspection of hydraulic components and tracks is also advised to ensure optimal performance.

Is the Cat 236B suitable for heavy-duty construction projects?

Yes, the Cat 236B is designed for heavy-duty applications, offering high tipping loads, durability, and compatibility with various attachments, making it suitable for construction, landscaping, and industrial tasks.

Where can I find the detailed specifications and manuals for the Cat 236B?

Detailed specifications and operator manuals for the Cat 236B can be found on Caterpillar's official website or through authorized Cat dealers, ensuring access to accurate and comprehensive information.

Additional Resources

Cat 236B Specs: An In-Depth Examination of This Versatile Compact Wheel Loader

When it comes to construction, landscaping, and material handling, the Cat 236B compact wheel loader stands out as a reliable, efficient, and versatile piece of equipment. Its specifications are tailored to meet the demanding needs of various industries, offering impressive performance, durability, and ease of operation. In this comprehensive review, we'll delve into every aspect of the Cat 236B specs, including engine details, operating capacities, dimensions, performance metrics, and more, to give you a thorough understanding of this machine's capabilities.

Overview of the Cat 236B Compact Wheel Loader

Before diving into technical specifications, it's essential to understand the context in which the Cat 236B operates. Introduced as part of Caterpillar's line of compact wheel loaders, the 236B was designed for mid-sized tasks that require maneuverability and power. Its primary applications include construction sites, landscaping projects, agriculture, and industrial material handling.

Key features include:

- Compact size for easy maneuverability
- Robust engine performance
- High breakout force
- Multiple attachment compatibility
- Operator comfort and safety features

Engine Specifications

The engine is the heart of any heavy equipment, and the Cat 236B is equipped with a reliable powertrain that balances power and fuel efficiency.

Engine Model

- Cat C3.4B Engine
- Turbocharged, after-cooled, 4-cylinder diesel engine

Engine Power

- Gross Power: approximately 74 horsepower (55 kW)
- Net Power: slightly lower, optimized for efficiency

Displacement & Fuel System

- Displacement: 3.3 liters
- Fuel System: Direct injection for precise combustion, maximizing fuel efficiency and power output

Emissions & Compliance

- Meets EPA Tier 3 / EU Stage IIIA standards
- Low emissions with advanced after-treatment systems

Operational Aspects

- Provides sufficient torque for heavy lifting and pushing
- Designed for durability under demanding conditions
- Easy to service with accessible engine components

Performance Metrics

Understanding the operational capabilities of the Cat 236B is crucial for assessing its suitability for specific tasks.

Operating Capacity & Load

- Rated Operating Capacity (ROC): approximately 1.2 tons (2,640 lbs)
- Tipping Load: around 2.4 tons (5,280 lbs)

Breakout Force

- Critical for material handling, the breakout force is approximately 8,000 pounds (3,629 kg), enabling effective digging and lifting.

Hydraulic System

- Flow Rate: Up to 22 gallons per minute (83 L/min)
- Hydraulic Pressure: around 3,000 psi (20.7 MPa)
- Ensures smooth attachment operation and powerful lifting capabilities

Travel Speed & Maneuverability

- Maximum Travel Speed: approximately 12 miles per hour (19 km/h)
- Designed for quick site movement and efficient task completion

Dimensions & Size Specifications

Compactness is a defining feature of the Cat 236B, offering agility without sacrificing power.

Overall Dimensions

- Length with Bucket: approximately 13.5 feet (4.11 meters)
- Width: around 6.6 feet (2.01 meters) (without attachments)
- Height: about 7.2 feet (2.19 meters)

Turning Radius & Ground Clearance

- Turning Radius: approximately 9.8 feet (3 meters), allowing for tight turns in confined spaces
- Ground Clearance: roughly 0.9 feet (0.27 meters), suitable for uneven terrain

Wheelbase & Track Width

- Wheelbase: close to 4.8 feet (1.46 meters)
- Track Width: adjustable depending on tire choice, typically around 5.5 feet (1.68 meters)

Weight & Stability

The weight distribution and stability features of the Cat 236B contribute significantly to its operational safety and performance.

- Operating Weight: approximately 8,200 pounds (3,720 kg)
- Static tipping load: designed to support maximum lifting without tipping
- Counterweight: integrated for enhanced stability during lifting operations

Hydraulic & Attachment Capabilities

Flexibility in attachments is a core advantage of the Cat 236B.

Hydraulic Flow & Pressure

- Supports various attachments such as buckets, forks, grapples, and augers
- Hydraulic system designed for quick attachment changes and powerful

operation

Attachment Compatibility

- Standard Euro/Global mounting system
- Supports a wide range of attachments, enhancing versatility:
- Buckets (general purpose, rock, grapple)
- Pallet forks
- Augers
- Snow blades

Flow Rate & Control

- Multiple auxiliary hydraulic circuits
- Flow control valves for precise attachment operation

Operator Comfort & Safety Features

While not a technical spec, operator comfort influences productivity and safety.

- Cab Design: ergonomically designed with excellent visibility
- Controls: intuitive joystick and pedal controls
- Climate Control: optional heating and ventilation systems
- Safety: ROPS/FOPS certification, seat belts, and emergency shutdown features

Maintenance & Serviceability

Ease of maintenance extends the lifespan and reduces downtime for the Cat 236B.

- Accessible Engine & Hydraulic Components: designed for quick inspections
- Filters & Fluids: easy to replace, with clear service intervals
- Diagnostics: onboard systems for troubleshooting
- Durability: heavy-duty chassis and components built to withstand harsh environments

Summary & Conclusion

The Cat 236B is a well-rounded compact wheel loader that offers a compelling mix of power, maneuverability, and durability. Its engine specifications deliver reliable performance suitable for a wide range of applications, from construction to agriculture. The machine's dimensions facilitate operation in

tight spaces, while its hydraulic system provides the strength needed for demanding tasks.

Its operating capacity and stability features make it a safe and efficient choice for lifting and material handling. The wide attachment compatibility broadens its utility, and operator comfort features ensure productivity during long work shifts.

In conclusion, if you are seeking a compact wheel loader with proven Cat 236B specs, you can expect an equipment piece that combines robust engineering with versatility, supporting your projects with dependable performance day in and day out. Whether upgrading existing fleet or investing for the first time, the Cat 236B remains a valuable asset across multiple industries.

Note: Always verify specific model year and regional variations, as specifications may differ slightly based on production updates or regional standards.

Cat 236b Specs

cat 236b specs: Chemical Engineering , 1958

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