

Same Saturno 80 Tractor Data

same saturno 80 tractor data is an essential topic for agricultural professionals and tractor enthusiasts interested in understanding the specifications, features, and capabilities of this classic model. The Saturno 80, manufactured by the renowned Italian company SAME Deutz-Fahr, is known for its durability, efficiency, and versatility in various farming applications. This comprehensive guide provides detailed information about the tractor's technical data, performance features, and maintenance tips to help users maximize its potential.

Overview of the Same Saturno 80 Tractor

The Same Saturno 80 is a versatile utility tractor designed primarily for small to medium-sized farms. It combines robust engineering with user-friendly features, making it suitable for tasks such as plowing, hauling, and agricultural work. The model has been appreciated for its reliability and ability to handle diverse operational demands.

Technical Specifications of the Same Saturno 80

Understanding the technical data of the Saturno 80 is crucial for operators, repair technicians, and prospective buyers. Below are the key specifications that define this tractor's performance and capabilities.

Engine Details

1. **Engine Type:** 3-cylinder diesel engine
2. **Engine Model:** Typically equipped with a SAME Deutz-Fahr engine, specific models may vary
3. **Displacement:** Approximately 1.6 to 1.8 liters
4. **Power Output:** Around 80 horsepower (HP)

5. **Cooling System:** Water-cooled
6. **Fuel System:** Direct injection for better efficiency

Transmission and Driveline

1. **Transmission Type:** Manual gearbox
2. **Number of Gears:** Typically 8 forward and 2 reverse gears
3. **Clutch:** Dry clutch system
4. **Power Take-Off (PTO):** 540/1000 RPM options for varied farm implements
5. **Drive Type:** 2WD or 4WD options depending on the model variant

Dimensions and Weight

1. **Overall Length:** Approximately 3.5 meters (11.5 feet)
2. **Overall Width:** Around 1.8 meters (5.9 feet)
3. **Height:** About 2.2 meters (7.2 feet)
4. **Weight:** Ranges from 2,500 to 3,000 kg depending on configuration

Hydraulics and Lifting Capacity

1. **Hydraulic Pump Flow Rate:** About 20-30 liters per minute
2. **Lifting Capacity:** Up to 1,500 kg at the hitch
3. **Implement Compatibility:** Suitable for a variety of implements such as plows, mowers, and loaders

Tyres and Wheels

1. **Standard Tyre Sizes:** 6.00-16 for front, 9.5-24 for rear

2. **Wheel Configuration:** Steel or alloy wheels depending on customization

Performance Features of the Same Saturno 80

The Saturno 80 is designed to deliver consistent performance across different farming tasks. Its engine provides ample horsepower for various implements, while the transmission ensures smooth gear shifts and efficient power transfer.

Fuel Efficiency and Economy

Fuel consumption is a critical aspect for farmers managing operational costs. The Saturno 80's diesel engine is optimized for fuel efficiency, providing a good balance between power output and consumption. Proper maintenance, such as regular oil changes and filter replacements, further enhances fuel economy.

Versatility and Attachments

This tractor supports a wide range of attachments, making it a versatile tool for diverse agricultural operations:

1. Plows and harrows
2. Rotary tillers
3. Loaders and buckets
4. Mowers and grass cutters
5. Seed drills and fertilizer spreaders

Operational Comfort and Ergonomics

Operators benefit from the Saturno 80's ergonomic design, which includes:

1. Adjustable seats for comfort during long hours

2. Easy-to-reach controls and levers
3. Good visibility from the operator's seat
4. Soundproofing elements reducing noise levels

Maintenance and Troubleshooting of Same Saturno 80

Regular maintenance is crucial for prolonging the life of the Saturno 80 and ensuring optimal performance.

Routine Maintenance Tasks

1. Checking and changing engine oil regularly
2. Replacing air and fuel filters periodically
3. Inspecting hydraulic fluid levels and replacing as needed
4. Monitoring tire pressure and tread condition
5. Ensuring the battery and electrical system are in good condition

Common Issues and Solutions

While the Saturno 80 is known for reliability, some common issues may include:

1. **Engine Starting Problems:** Check battery health and fuel supply
2. **Hydraulic Leakages:** Inspect hoses and seals, replace damaged parts
3. **Gear Shifting Difficulties:** Adjust clutch or seek professional inspection
4. **Unusual Noises:** Identify source and consult a mechanic if necessary

Where to Buy and Spare Parts for Same Saturno 80

Authentic parts and reliable dealers are essential for maintaining the tractor's performance. Authorized SAME Deutz-Fahr dealers and certified workshops provide genuine spare parts, including filters, belts, and engine components.

Tips for Purchasing

1. Verify dealer credentials and after-sales service reputation
2. Compare prices and warranty options
3. Consider purchasing refurbished or used models from reputable sources for cost savings

Conclusion

The **same saturno 80 tractor data** offers a comprehensive view of an efficient, reliable, and versatile agricultural machine suited for a variety of farming tasks. Its technical specifications, performance features, and ease of maintenance make it a popular choice among farmers looking for a dependable workhorse. Whether you're considering purchasing a Saturno 80 or seeking to optimize its operation, understanding its detailed data helps ensure maximum productivity and longevity in your farming operations. Proper maintenance, timely repairs, and using genuine spare parts are key to getting the most out of this classic tractor model.

Same Saturno 80 Tractor Data: An In-Depth Review and Analysis The Same Saturno 80 tractor stands as a notable example of agricultural machinery that combines robust engineering with versatile performance. Designed to meet the demanding needs of small to medium-sized farming operations, the Saturno 80 has garnered attention for its durability, efficiency, and user-friendly features. In this comprehensive review, we delve into the technical specifications, operational capabilities, design elements, and overall performance of the Saturno 80, providing farmers, technicians, and enthusiasts with a thorough understanding of this model.

Introduction to the Same Saturno 80 Tractor

The Same Saturno 80 is a compact, utility-oriented tractor produced by the Italian manufacturer Same Deutz-Fahr, renowned for its innovative agricultural machinery. Launched in the late 20th century, the Saturno series aimed to offer reliable power and ease of use for smallholder farmers, cooperatives, and landowners. The Saturno 80 model, in particular, is appreciated for its balance between power and maneuverability, making it suitable for various tasks such as plowing, hauling, tilling, and light cultivation. Historical Context and Market Position During its production run, the Saturno 80 occupied a niche in the market characterized by affordability, versatility, and durability. It was often praised for its straightforward mechanical systems and adaptability to different implements. Its competitive edge lay in offering substantial horsepower in a compact form, allowing farmers to optimize their land management without investing in larger, more expensive equipment.

Technical Specifications of the Same Saturno 80

Understanding the technical parameters of the Saturno 80 provides insight into its operational capabilities. Below is a detailed breakdown:

Engine and Powertrain

- Engine Type: 3-cylinder diesel engine - Engine Model: Typically based on proven Deutz or similar engine designs (specific models may vary) - Gross Power: Approximately 80 horsepower (hp) - Fuel System: Direct injection for efficiency and performance - Cooling System: Water-cooled to maintain optimal operating temperature - Transmission: Mechanical gear transmission with multiple forward and reverse gears - Gear Range: Usually 8 to 12 forward gears and 2 to 4 reverse gears - Power Take-Off (PTO): 540 rpm standard, with optional 1000 rpm

Chassis and Dimensions

- Wheelbase: Around 2.2 meters (approximate) - Weight: Ranges from 2,500 to 3,000 kg depending on configuration - Dimensions:

Length ~3.5 meters, Width ~1.7 meters, Height ~2.4 meters - Ground Clearance: Approximately 0.4 meters

Hydraulics and Lifting Capacity

- Hydraulic Pump: Mechanical or hydraulic pump with sufficient flow rate - Lifting Capacity: Typically 1,200 to 1,500 kg at the three-point linkage - Hydraulic Control: Standard auxiliary hydraulics for implement operation

Wheels and Tires

- Wheel Sizes: Varying sizes, commonly 6.00-16 or 7.00-16 for front and rear - Tire Types: Bias or radial tires, depending on application and configuration

Performance and Operational Capabilities

The Same Saturno 80 is designed to excel in a broad spectrum of agricultural tasks, owing to its robust engine and versatile transmission. Its performance metrics can be summarized as follows: Power and Load Handling With an approximate 80 hp, the Saturno 80 offers ample power for medium-duty tasks. Its engine provides steady torque across RPM ranges, ensuring reliable operation during continuous work cycles. The tractor's transmission system enables smooth gear shifts, allowing operators to optimize power delivery for various implements and terrain conditions. Fuel Efficiency and Economy Given its diesel engine and direct injection system, the Saturno 80 demonstrates commendable fuel efficiency, which is crucial for operational cost management. Proper maintenance and correct operation can further enhance fuel economy, making it an economical choice for farmers with limited budgets. Maneuverability and Ease of Use Thanks to its compact dimensions and well-designed steering system, the Saturno 80 exhibits excellent maneuverability, especially important in small or irregularly shaped fields. The ergonomic layout of controls simplifies operation, reducing fatigue during long working hours. Implement Compatibility and Versatility The tractor's hydraulic system supports a wide range of implements, such as plows, harrows, trailers, and loaders. Its lifting capacity and hydraulic flow rate enable it to handle heavier attachments, expanding its utility beyond simple field chores to tasks like material handling or light construction.

Design and Construction Features

The durability and longevity of the Saturno 80 hinge on its thoughtful design and quality construction. Key features include:

Structural Frame and Materials The chassis is constructed from high-strength steel, designed to withstand the stresses of demanding agricultural work. Reinforced joints and quality welding ensure structural integrity over years of operation.

Operator Comfort and Safety The cabin or operator platform is designed for ease of access, with clear visibility and straightforward controls. Safety features such as protective guards, reliable braking systems, and secure seating contribute to operator confidence and safety.

Maintenance and Accessibility Accessible engine panels, lubricating points, and hydraulic components facilitate routine maintenance. This ease of serviceability reduces downtime and increases productivity.

Comparative Analysis with Similar Models

To contextualize the Saturno 80's capabilities, it is useful to compare it with similar tractors in its class from competing brands.

Advantages of the Same Saturno 80:

- Robust build quality derived from established Italian engineering standards
- Versatile hydraulic system supporting various implements
- Balanced power-to-weight ratio for diverse applications
- Cost-effective maintenance and parts availability

Potential Limitations:

- Older models may lack modern ergonomic features or electronic controls
- Slightly higher fuel consumption compared to newer fuel-efficient engines
- Limited comfort features for long hours of operation

This comparison underscores the Saturno 80's value proposition, especially for farmers seeking a reliable, straightforward tractor with proven performance.

Operational Challenges and Common Maintenance Issues

While the Saturno 80 is renowned for its durability, like all machinery, it requires proper maintenance to ensure optimal performance.

Common Issues:

- **Hydraulic leaks:** Due to worn seals or connections
- **Engine wear:** Over time, pistons, valves, and injectors may require servicing
- **Transmission troubles:** Gear engagement problems if not properly maintained
- **Tire wear:** Uneven or premature tire deterioration if not rotated or maintained

Maintenance Tips:

- Regular oil and filter changes
- Hydraulic fluid checks

and replacement - Proper tire pressure management - Routine inspection of belts, hoses, and electrical systems Adhering to manufacturer-recommended maintenance schedules can greatly extend the lifespan and efficiency of the Saturno 80.

Conclusion: The Legacy and Future Outlook of the Same Saturno 80

The Same Saturno 80 remains a respected model within the agricultural machinery sector, especially appreciated for its ruggedness and versatility. Its design reflects a focus on practical performance, making it suitable for a wide range of farming activities. As agricultural operations evolve, so does the demand for more fuel-efficient, ergonomically advanced machinery. However, the Saturno 80's enduring presence in many farms attests to its foundational reliability and effectiveness. Looking forward, modernization efforts such as integrating electronic controls, enhanced comfort features, and emission compliance could extend the model's relevance. Nonetheless, for small to medium farms seeking a dependable, cost-effective tractor with proven capabilities, the Saturno 80 continues to be a compelling choice. In summary, the Same Saturno 80 exemplifies the blend of durability, performance, and simplicity that has made it a trusted workhorse in agriculture. Its comprehensive technical profile, operational strengths, and potential challenges offer valuable insights for current and prospective users aiming to maximize productivity with a reliable tractor solution.

Questions & Answers About same saturno 80 tractor data

No	Question	Answer
1	What are the key specifications of the Same Saturno 80 tractor?	The Same Saturno 80 tractor typically features a 3-cylinder diesel engine with around 80 HP, a 4WD drivetrain, and a hydraulic lifting capacity suitable for various agricultural tasks. It is designed for durability and efficiency in medium-sized farms.
2	What is the fuel efficiency of the Same Saturno 80 tractor?	The Same Saturno 80 offers moderate to high fuel efficiency, with average consumption around 3-4 liters per hour depending on working conditions and load, making it a cost-effective choice for farmers.

3	What attachments and implements are compatible with the Same Saturno 80?	The Saturno 80 can be equipped with a variety of implements such as plows, harrows, loaders, and trailers. Its hydraulic system supports multiple attachments, enhancing versatility for tasks like tilling, hauling, and land preparation.
4	What is the typical price range for a used Same Saturno 80 tractor?	The price of a used Same Saturno 80 varies based on condition, year, and location but generally ranges from \$10,000 to \$20,000 USD. Always inspect the tractor thoroughly or consult a dealer for accurate pricing.
5	How does the Same Saturno 80 perform in different agricultural terrains?	The Saturno 80 performs well on flat to moderately hilly terrains, thanks to its robust 4WD system and traction capabilities. However, soil type and terrain steepness may affect its efficiency, so proper maintenance and suitable attachments are recommended.
6	What are the common maintenance requirements for the Same Saturno 80?	Routine maintenance includes regular oil changes, filter replacements, checking hydraulic fluids, and inspecting tires and brakes. Following the manufacturer's maintenance schedule ensures optimal performance and longevity of the tractor.
7	Where can I find detailed data or manuals for the Same Saturno 80 tractor?	Detailed data and user manuals for the Same Saturno 80 can typically be found through authorized Same tractor dealers, official website, or agricultural equipment online forums and marketplaces.

Saturno 80, tractor specifications, Saturno 80 features, Saturno 80 engine, Saturno 80 horsepower, Saturno 80 parts, Saturno 80 maintenance, Saturno 80 manual, Saturno 80 dimensions, Saturno 80 reviews