

Second-hand Digger - Official Technical Overview & Datasheet

EXECUTIVE SUMMARY

Our Second-hand Diggers represent a strategic investment for construction, mining, and agricultural operations, delivering significant cost advantages of up to 50% compared to new equipment while maintaining high operational standards . Designed to cater to small contractors, large-scale developers, and agricultural enterprises, these machines provide an immediate solution to equipment needs, minimizing lead times and maximizing project uptime without the substantial capital outlay required for new machinery .

Each unit, which includes renowned models like the JCB 203D and Caterpillar 312, offers a proven track record of reliability and efficiency, ensuring that your project benefits from robust performance and long-term value . By choosing a second-hand digger, you are not only making a financially sound decision but also contributing to environmental sustainability by extending the lifecycle of heavy machinery, reducing waste and the demand for new manufacturing resources .



STRUCTURAL INTEGRITY & POWERTRAIN

The chassis of our Second-hand Diggers are engineered from high-grade steel, ensuring exceptional durability and resistance to torsional stress in demanding environments. We rigorously evaluate the undercarriage, track systems, and mainframes to ensure they meet strict structural integrity standards, with ground pressure and stability parameters meticulously checked for optimal performance .

Under the hood, these machines are powered by world-renowned engines from manufacturers such as Isuzu and Yanmar, known for their fuel efficiency and long service life . For instance, models like the SANY SY155U feature a reliable Isuzu engine delivering 105 HP, while units such as the John Deere 50D are equipped with a 39.9 HP Yanmar 4TNV88-BPHB engine, meeting Tier 4i

emissions standards . The hydraulic systems are designed for high efficiency, with pump flow rates and fluid capacities optimized to deliver smooth, continuous operation for digging, lifting, and material handling tasks .

KEY FEATURES & OPERATOR COMFORT

- **LOAD-SENSING HYDRAULICS:** Advanced hydraulic systems ensure precise control and efficient power distribution, allowing for simultaneous operation of boom, arm, and bucket functions to enhance productivity .
- **ROPS/FOPS CERTIFIED CAB:** Operator cabins are built to ROPS (Roll Over Protective Structure) and FOPS (Falling Object Protective Structure) standards, providing a secure working environment . Features often include enclosed cabs with air conditioning, heating, and ergonomic control layouts to reduce operator fatigue during long shifts .
- **MINIMAL TAIL SWING & MANEUVERABILITY:** Many models, such as the SANY SY155U, feature a minimal tail swing radius, enabling safe and efficient operation in confined urban spaces and tight job sites .
- **ADVANCED ATTACHMENT COMPATIBILITY:** Equipped with quick couplers and auxiliary hydraulics, these diggers allow for rapid changes between attachments, including buckets, hydraulic thumbs, breakers, and augers, to handle diverse tasks from trenching to demolition .

COMPLIANCE & SAFETY STANDARDS

Our Second-hand Diggers are sourced and inspected to comply with rigorous international safety and environmental standards. We ensure that machinery meets or exceeds specifications such as CE certification for the European market and EPA Tier 4 Final emission standards for the US, reflecting a commitment to reducing environmental impact and ensuring operational safety .

All units undergo a thorough evaluation process to verify the condition of safety-critical components, including hydraulic hoses, guarding, and emergency stop systems. The detailed maintenance history and service records provided with each machine offer transparency and confidence in its operational readiness and compliance history .

TECHNICAL SPECIFICATIONS

The following technical specifications represent typical values for our range of Second-hand Diggers. Actual parameters may vary based on the model, year, and specific configuration, but all units are selected to provide reliable performance across various applications .

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#f2f2f2;')>Parameter</th><th      style='padding:      8px;      text-align:      left;
background-color: #f2f2f2;')>Specification</th></tr><tr><td style='padding:
8px; border: 1px solid #ddd;')>Engine Model</td><td style='padding: 8px;
border: 1px solid #ddd;')>Isuzu / Yanmar / Cummins (Varies by
Model)</td></tr><tr><td style='padding: 8px; border: 1px solid
#ddd;')>Operating Weight</td><td style='padding: 8px; border: 1px solid
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style='padding: 8px; border: 1px solid #ddd;')>Engine Power</td><td
style='padding: 8px; border: 1px solid #ddd;')>39 - 217 HP (Varies by
Model)</td></tr><tr><td style='padding: 8px; border: 1px solid #ddd;')>Max
Digging Depth</td><td style='padding: 8px; border: 1px solid #ddd;')>Up to
23 feet (Varies by Model)</td></tr><tr><td style='padding: 8px; border: 1px
solid #ddd;')>Fuel Capacity</td><td style='padding: 8px; border: 1px solid
#ddd;')>17 - 135 Gallons (Varies by Model)</td></tr></table>

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