

## Used Long Reach Excavator - Official Technical Overview & Datasheet

### EXECUTIVE SUMMARY

Our premium Used Long Reach Excavators represent the pinnacle of value engineering, offering the extended capabilities of specialized machinery at a competitive price point. Designed for projects that demand superior reach and depth beyond standard excavators, these machines are the ideal solution for deep foundation pits, river dredging, canal maintenance, and high-altitude demolition. Each unit is carefully selected and inspected to ensure it delivers the robust performance required in construction, mining, and agricultural sectors, providing a cost-effective alternative to new equipment without compromising on capability.

By integrating a purpose-built long arm configuration with a standard powertrain, these excavators offer the versatility to handle a wide range of challenging applications. They are the equipment of choice for contractors seeking to enhance their operational scope, from sloping and deep trenching to handling materials in hard-to-reach areas. Our used long reach excavators are engineered to deliver immediate productivity gains, reducing the need for machine repositioning and providing a rapid return on investment for your most demanding projects.



## STRUCTURAL INTEGRITY & POWERTRAIN

The structural foundation of our Used Long Reach Excavators is built for durability and performance. The chassis and undercarriage are constructed using high-grade, reinforced steel, designed to withstand the increased stress and torque generated by the extended boom and arm. To offset the significant leverage of the long arm, these machines are equipped with additional counterweights and often feature an extended undercarriage, ensuring superior stability during heavy digging cycles at maximum reach. This robust construction ensures the machine remains stable and secure, even when operating at full extension, protecting both the machine and the operator.

Under the hood, these excavators are typically powered by high-efficiency, reliable engines such as the Cummins or Isuzu series, known for their durability

and cost-effective operation. The powertrain is paired with a high-performance hydraulic system, often featuring high-flow main pumps and multi-valve core control to deliver the necessary oil pressure for maintaining significant digging force at the end of the long arm. This combination of a reinforced chassis and a proven powertrain ensures that our used long reach excavators deliver the strength and reliability required for heavy-duty, specialized tasks, offering a dependable solution for your fleet.

#### KEY FEATURES & OPERATOR COMFORT

- Extended Reach Configuration: Available with two-section arms (12-18m) for earthmoving and three-section telescopic booms (20-28m) for demolition, these excavators drastically expand your operational range, reaching depths and heights standard machines cannot. This reduces the need for repositioning and allows work to be completed from safe, stable positions.
- Reinforced Structural Components: The boom and arm are reinforced with welded ribs to prevent deformation under heavy loads. Coupled with a heavy-duty counterweight (approximately 1-2 tons) and an optional extended undercarriage, this design maximizes stability and machine integrity during demanding operations.
- Load-Sensing Hydraulics & Smart Control: Equipped with advanced hydraulic

systems that adjust pump output to match real-time demands for smoother handling and faster response. The inclusion of multiple control modes (e.g., Auto, H, SP modes) allows operators to fine-tune machine performance for specific applications, optimizing digging force and fuel efficiency.

- ROPS/FOPS Certified Cab with Enhanced Visibility: The operator's environment meets ROPS/FOPS safety standards, providing a secure and comfortable workspace. Models may feature a raised cab position to improve all-round visibility of the bucket and work area, which is critical when operating at extended reach or performing underwater tasks.

- Advanced Control & Safety Systems: To ensure confidence when operating at distance, these machines can be equipped with systems like 2D E-fence, which keeps the front linkage within a predefined area to prevent over-extension and damage. Fully waterproofed sensor boxes allow for the continued use of grade control and payload management systems even in wet conditions.

## COMPLIANCE & SAFETY STANDARDS

Our Used Long Reach Excavators are sourced and refurbished to meet rigorous international safety and quality standards. All units are verified to comply with essential safety certifications, including CE marking for European markets and

relevant ISO standards for quality and safety management. The machines are designed with operator safety as a priority, featuring ROPS (Roll-Over Protective Structure) and FOPS (Falling Object Protective Structure) certified cabs to safeguard the operator in demanding environments.

Furthermore, these excavators are equipped with advanced safety and control technologies to mitigate the risks associated with long-reach operations. The integration of 2D E-fence systems and grade control not only enhances efficiency but also protects the machine and the site personnel by preventing accidental overreach or intrusion into hazardous zones. We ensure that every machine we offer has been inspected to confirm that its core structural and hydraulic systems function within OEM safety tolerances, providing our clients with equipment that is as reliable as it is capable.

## TECHNICAL SPECIFICATIONS

The following table provides a summary of key technical parameters for our range of Used Long Reach Excavators. Please note that specific values may vary based on the model, year of manufacture, and any aftermarket modifications. For precise specifications for a particular unit, please consult our sales team.

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style='padding:      8px;      text-align:      left;      background-color:
#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;')>Cummins / Isuzu (Depending on
Model)</td></tr><tr><td style='padding: 8px; border: 1px solid #ddd;')>Net
Power</td><td style='padding: 8px; border: 1px solid #ddd;')>200 - 390 kW
(270 - 530 hp) </td></tr><tr><td style='padding: 8px; border: 1px solid
#ddd;')>Operating Weight</td><td style='padding: 8px; border: 1px solid
#ddd;')>25 - 88.5 Tonnes (24.15 - 88.5 T) </td></tr><tr><td style='padding:
8px; border: 1px solid #ddd;')>Maximum Reach at Ground Level</td><td
style='padding: 8px; border: 1px solid #ddd;')>Up to 28m </td></tr><tr><td
style='padding: 8px; border: 1px solid #ddd;')>Maximum Digging
Depth</td><td style='padding: 8px; border: 1px solid #ddd;')>12.8 - 22 m (42 -
72 ft) </td></tr><tr><td style='padding: 8px; border: 1px solid #ddd;')>Arm
Length</td><td style='padding: 8px; border: 1px solid #ddd;')>Customizable:
12-28m Options </td></tr><tr><td style='padding: 8px; border: 1px solid
#ddd;')>Bucket Capacity</td><td style='padding: 8px; border: 1px solid
#ddd;')>0.3 - 2.0 m3 </td></tr></table>

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