

# REBEL XL

*All-New Flagship  
Drill Rig!*



**ackerman**  
DRILL COMPANY

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The REBEL XL is a midsize, all-hydraulic, multi-purpose drill rig. It's design and power make it proficient for augering, coring, and SPT.



An excellent approach angle allows the rig to climb steep grades without bottoming out at the base.



Included Tier 4 Final Diesel Engine does NOT require DEF Tank or regeneration cycles.



High quality, aggressive Rubber Tracks allow for excellent traction and stability. Two-speed tram produces hi-speed for quick hole-to-hole travel, and "torquey" lo-speed for climbing and maneuvering in rough terrain.



Special features include 5 ft. [1.52 m] Mast Dump for convenient positioning when angle drilling or drilling on uneven terrain, Engine Tilt for drilling on hillsides up to 45 degrees, Dual Action Slide Base, dual Water Pump configurations, lighting packages, etc.

### **REBEL XL (Track-Mounted) Typical Dimensions & Weight:**

**Height (Travel Position)** - 8'-8" [2,667 mm]  
**Height (Mast Up w/ Ext)** - 21'-9" [6,629 mm]  
**Height (Mast Up w/o Ext)** - 12'-6" [3,810 mm]  
**Length (Travel)** - 21'-5" [6,528 mm]  
**Width** - 7'-4" [2,235 mm]  
**Weight (Approx)** - 17,300 lbs. [7,847 kg]

As the heir to our popular SOIL-XLS drill rig, the Acker REBEL XL continues its legacy with added features and a new mid-sized track system. Like all Acker rigs, it shines with its low-end torque and high-end speed, excellent production, and low cost to own. And with features like the Mast Dump and Engine Tilt, contractors can drill efficiently on sloped terrain where other drills dare not.

### **Special Features:**

#### **Power Unit –**

Turbo-charged (4) cylinder, 74 HP @ 2,800 rpm with 12-volt electric start. Liquid cooled. Compliant with US EPA Tier 4 Final Emissions standards.

#### **Feed –**

Double acting chain drive mechanism connected to a hydraulic cylinder with 6 ft. [1.82 m] stroke and capable of 15,000 pounds [6,803 kg] upward thrust and 15,000 pounds [6,803 kg] pull down.

#### **Drill Head -**

3-5/8" [92.2 mm] spindle bore, accepts all rod and casing sizes up to 3-1/2" [88.9 mm] OD. Eight infinitely variable speeds in forward and reverse. Hydraulically operated "slide type" drill head provides clearance for tool handling. Drill Head speeds are from zero to maximum rpm in each gear range. Up to 5,364 ft./lbs. "working" torque [7,272 Nm] and 1,027 RPM.

#### **Lo-Range (High Torque) -**

1st Gear - 0-60 RPM @ 5,364 ft./lbs. torque [7,272 Nm]  
 2nd Gear - 0-126 RPM @ 2,565 ft./lbs. torque [3,477 Nm]  
 3rd Gear - 0-231 RPM @ 1,392 ft./lbs. torque [1,887 Nm]  
 4th Gear - 0-398 RPM @ 809 ft./lbs. torque [1,096 Nm]

#### **Hi-Range (Hi-Speed) -**

1st Gear - 0-155 RPM @ 2,079 ft./lbs. torque [2,818 Nm]  
 2nd Gear - 0-324 RPM @ 994 ft./lbs. torque [1,347 Nm]  
 3rd Gear - 0-597 RPM @ 539 ft./lbs. torque [730 Nm]  
 4th Gear - 0-1,027 RPM @ 314 ft./lbs. torque [425 Nm]

#### **Drill Head Lubrication System -**

Provides lubricating oil to drill head and transmission internal parts for extended bearing life.

#### **Engine Tilt -**

Allows for drilling on hillsides up to 45 degrees.

#### **Mast Dump -**

A 5 ft [1.52 m] hydraulic cylinder allows for convenient mast positioning when drilling angle holes or on uneven terrain.

#### **Hoists / Winch -**

8,000 lb. [3,628 kg] Main Hoist, 2,500 lb. [1,134 kg] Auxiliary Hoist, Wireline Hoist. 12,000 lb. [5,443 kg] Front Winch. Special configurations available upon request.

#### **140 lb. [63.5 kg] Automatic SPT Hammer -**

Hydraulically driven mechanism conforms to ASTM SPT.

#### **Hydraulic Rod Clamp –**

Mast mounted for use in any drilling position or angle. Clamps rods and casing up to 4-1/2 [114.3 mm] OD, depending on jaw size. Larger capacity Rod Clamps available upon request.

#### **Dual Action Slide Base –**

Movement forward/back and side/side for precise positioning over hole.

#### **Additional Features –**

Ackermatic Hydraulic Chuck, Cathead, Hydraulic Breakout Wrench, Stainless Steel Water Tank, several Water/Mud Pump options, (4) Leveling Jacks, 2-Speed Track System.

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