

Featuring the

acker **RENEGADE**

**All-Hydraulic, High-Torque
Multipurpose Drill Unit**



The Acker RENEGADE is our premiere multipurpose drill unit that is suited for virtually any job under any condition. You can expect it to excel in CORING, AUGERING, PROBING, STANDARD PENETRATION TEST, and REVERSE CIRCULATION applications. And with Acker's renowned reliability, you can be assured the RENEGADE will give you a lifetime of service. Stout, versatile, and powerful, the RENEGADE will separate itself from the pack, just like a true rebel.

RENEGADE STANDARD FEATURES:

A.	Power Unit - 97 H.P. diesel engine with 12-volt electric start. <i>Other power options available on request.</i>
B.	Feed Mechanism - The main feed consists of double acting chain drive mechanism connected to a hydraulic cylinder with 13 ft. stroke and capable of 16,000 pounds upward thrust and 16,000 pounds pull down. Feed speeds are 0-40 FPM up and down. 20,000 pound thrust/pull also available.
C.	Drill Drive 8-Speed Hydraulic - Taken from prime mover through a variable volume over center piston pump and tandem fixed volume pump.
D.	Drill Head - 4-5/8" open spindle, accepts all rod and casing up to "P" wireline or "H" casing. Eight (8) infinitely variable speeds in forward and reverse. Hydraulically operated "slide type" drill head provides clearance for tool handling. High speed drill head option also available.
	Lo Range:
	1st gear (0-54 RPM @ 8,000 ft./lbs. torque) 2nd gear (0-109 RPM @ 3,949 ft./lbs. torque)
	3rd gear (0-194 RPM @ 2,234 ft./lbs. torque) 4th gear (0-339 RPM @ 1,266 ft./lbs. torque)
	Hi Range:
	1st gear (0-157 RPM @ 2,371 ft./lbs. torque) 2nd gear (0-319 RPM @ 1,359 ft./lbs. torque)
	3rd gear (0-565 RPM @ 769 ft./lbs. torque) 4th gear (0-1,000 RPM @ 436 ft./lbs. torque)
E.	Mast - Welded rectangular structural steel tube construction that supports and guides the rotation of feed components. Positioned with two (2) hydraulic cylinders and rigidly held in the vertical position for drilling and is lowered to the travel position for moving from hole to hole and includes mast extension to allow for 10 ft. rod pulls (20 ft. rod pulls available as an option). Mast mounting allows for angle as well as 90 degree vertical drilling. Mast also includes crown block with sheaves.
F.	Drill Frame - All welded steel construction supports the power unit, mast, control panel, winches and cathead.
G.	Auger Guide - Specify size of augers.
H.	Controls - All controls are grouped together in a convenient panel located at the left rear of the machine and facing the rear. The track drive is operated with a radio remote control system with a wired back-up control.
I.	Mounting - The entire drill is mounted on a structural steel flat base frame. Truck, track, trailer, skid or ATV mounted.

RENEGADE OPTIONAL FEATURES:

* Option may not be available in all configurations due to space limitations.

1.	Cathead Hoist - Hydraulically powered cargo type hoist.
2.	Main Drum - Hydraulically powered, 6,000 to 10,000 lb. planetary type. *
3.	Quick Disconnect Adaptor - U-Joint type for augers, 1-5/8" hex or 2" hex or rigid type for rod/casing (specify size).
4.	2" Swivel - For air, mud or water. Attaches directly to the top of the spindle.
5.	Ackermatic Hydraulic Chuck Assembly - 5" size handles all rod and casing up to "P" wireline and "H" casing. Assembly includes one set of five double row carbide insert jaws, when purchased with complete package (jaws must be changed for each size drill rod or casing). Hand Chuck also available.
6.	Water Pump(s) - Moyno Type 3L6, Moyno Type 3L8, Triplex Type 0918, Triplex Type 1122BCD, Duplex Mud Pump.
7.	Auxiliary Winch - Hydraulically powered. Rated at 2,500 lbs. *
8.	Wireline Hoist - Hydraulically powered. Lifting capacity 800 lbs. *
9.	Automatic Hammer - Hydraulically operated "SPT" 140 lb. automatic hammer. *
10.	Hydraulic Leveling Jacks - Two front and two rear mounted hydraulic leveling 3" jacks with 36" stroke and lock check valves. 4" jacks with 41" stroke also available.
11.	Tool Box(s) / Rod Storage - Provides approximately 7.0 cubic feet of lockable storage. Side mounted storage space allows. *
12.	Track Mounting - On a structural steel frame and self-propelled by high quality crawler tracks with independent reversible hydrostatic motor drive.
13.	Rod Clamp Assembly - Two opposing hydraulic cylinders facilitate rod and casing up to 5-1/2" diameter.
14.	Breakout Wrench - Hydraulically operated cylinder mounted to a wrench provides 1"-6" diameter capacity to break drill rod.
15.	Front Winch - Hydraulically driven, front mounted winch (20,000 lb. capacity). Capable of operating in conjunction with tracks.
16.	Water Tank - All welded construction with drain valve, baffles and filler. Capacity 160 gallon. (Stainless steel and plastic also available) *

Contact factory for additional options and features. A complete line of optional accessories are available.