

When the only road, is no road.



Model K 4x4 WITH C1000 DRILL

Performance

Rated Capacity

750' (228.6 m) with 2 3/8" (6.0 cm) O.D. light weight drill pipe or shot hole casing and fluid circulation.

250' (76.2 m) with 4" (10.2 cm) diameter auger. Depth with air circulation dependent on size of hole, drill pipe size and compressor used.

Mast

16' (4.9 m) welded 1 1/2" (3.8 cm) square tubular Steel with 3" (7.6 cm) channel rotary guide rails for use with 10' (3.1 m) drill pipe. Raised and lowered by dual 3" (7.6 cm) hydraulic cylinders. Raised mast lock achieved by single hydraulic cylinder. OPTIONAL: 5' (1.5 m) or 10' (3.1 m) bolt in extension

Rotary

ARDCO heavy-duty top-head drive rotary assembly, hydraulically driven through 3" (7.6 cm) wide straight tooth gears with a 5.923:1 gear ratio. Quill opening is 1 1/2" (3.8 cm) with a Carey modified 3-thread bottom box connection. Rotary quill is equipped with a special break out sleeve. Rotary assembly is aligned in the mast channels by special roller bearing equipped guides.

Torque to 700 lb. ft. (950 nm) speed 300 rpm. OPTIONAL: Torque to 1200 lb. Ft. (1628 nm)

Drawworks

Two continuous #80 1" (2.5 cm) roller

chains hydraulically actuated through a Ramsey 35YR gear box. Dual crown idler sprocket assemblies held by stress proof shafts mounted in pillow blocks with adjusting bolts. Also equipped with special heavy duty turnbuckles for correct chain tension and rotary alignment.

Pull-up or pull-down: 6000 lbs. (2722 kg). Speed to 100' (30.5 m) per minute.

Mud Pump

Centerline hydraulic driven model CLM 7.5"X 10" (19.1 cm x 25.4 cm) MSPA Mono Capacity: Continuous 150 gpm (1567 lpm) Pressure: 0-200 psi (13.8) bar.

Pressure relief valves, surge chambers and necessary piping.

Hydraulic System

Three-stage gear pump, direct driven from power source, which drives the gear motors on the pull-down and rotary. Large capacity hydraulic valves and high pressure hoses. 80 gallon (302.8 l) capacity hydraulic reservoir with 10 micron filters.

Controls

Located at left rear of drill frame.

Hole Loader

Cable drum with 250' (76.2 m) of 1/4" (6.4 mm) cable driven hydraulically by a Char-Lynn motor. Complete with mast mounted cable pulley and weight.

Pipe Rack

Heavy duty pipe storage rack located on right side of drill unit.

OPTIONAL: Hydraulically positioned to an upright position and lowered to the ground for easy pipe and auger handling.

Headache Rack

Located at front of drill frame and vertically adjustable.

Engine

Cummins Model QSB 4.5 Tier 3 diesel rated at 160 BHP at 2500 RPM with 420 lb. ft. (570 nm) of torque at 1500 RPM.

Standard Specifications

Overall Heights

Mast Down (Driving): 12' 8" (3.9 m)
Mast Down (Trucking): 10' 3" (3.1 m)
Mast Up: 20' 3" (6.2 m)
Overall Length: 25' (7.6 m)

Ground Clearance

21.3" (54.0 cm) at axle.

Approx. Gross Weight

20,080 lbs. (9,108.1 kg)

Turning Radius

Inside: 14' (4.3 m)
Outside: 22' (6.7 m)

Width

8' (2.4 m)

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Options

- Skid or truck mounting.
- Gardner-Denver 4.5" x 5" (11.4 cm x 12.7 cm)
- Gardner-Denver 5" x 6" (12.7 cm x 15.2 cm) reciprocating mud pump.
- Air Compressor – screw types.
- Single or twin compounded centrifugal mud pumps.
- Winterization packages.
- Water injection systems for air drilling.
- Mast fingerboard for use with mast extensions.
- Special aluminum masts and aluminum mast extensions.
- Hydraulic cylinder operated breakout sleeve.
- Steel fabricated portable mud pit.
- Drill pipe, casing, and bits.
- Hydraulic leveling jacks.
- Various custom options and accessory packages available to meet customer requirements.

Contact Information

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NOTE: The Company reserves the right to change specifications and prices without notice in order to follow its policy of constantly striving to manufacture a better product without incurring any liability to provide these new features on any units previously manufactured. Prices and specifications subject to change without notice.