

GEFCO

Innovator of portable drilling equipment

This highly portable unit almost sets up in a tennis-court-sized area compared to the huge football-field-sized area required for conventional drill rigs. It has state-of-the-industry design with remote monitoring of all functions possible through the internet.

SS-1100

- Totally electronic/hydraulic drilling rig capable of 300,000-pound hookload. 1100 hp from twin Cat® C18 engines. 10,000-foot pipe capacity with four-inch pipe.
- Designed for horizontal and vertical drilling with all controls digitally monitored from driller's cab.
- High-tech driller's cabin is explosion-proof and climate-controlled. Two remotely controlled cameras allow driller to monitor nearly all actions. One umbilical cord controls all actions from cabin.
- Minimal labor required. Driller can perform much of the set-up himself with wireless remote control. The floor hand with spinner allows pipe make-up and break-out. The driller's table is separate from the mast so you can break the pipe, lay it over and leave it in its slip without pulling the pipe.
- Drill is designed to lay mast over with casing or drillpipe on the table.





Driller's cabin is climate-controlled with enhanced electric over hydraulic controls for all rig functions. Monitors capture all drilling parameters from two remote-cameras. Information can be viewed via the internet.



Cabin is equipped with a climate-controlled fresh-air purge system so it meets Class I Division I explosion-proof standards.



Hydraulically operated floor hand makes and breaks drill rod and collars in an extremely safe manner. Unit retracts to back of derrick to provide easy clearance of the drill string.



Traditional stacking rack provides space-saving storage of drill string and can handle range two and three super-single drill pipe. Package increases tripping speed.



Telescoping substructure allows for ten-foot standard clearance between ground level and bottom of the table. Rig uses hydraulic leveling jacks which are mechanically locked for safety.



All electronic controls feature manual back-up controls to give the operator redundancy in case of an electrical failure.



Large, uncluttered, non-skid, synthetic rubber flooring.



1100 HPU separate power pack is remote-controlled and powered by two 550 hp CAT C-18 engines. One engine can operate all rig functions. Unit is connected through a series of quick-connected hydraulic hoses.

Specifications

HOISTING CAPACITY (Hookload)

- 300,000 pounds hookload capacity for full hookload capacity from table to crown

TOPHEAD

- Two speeds rated at 0-60 rpm up to 23,000 ft/lb torque; 0-120 rpm up to 11,500 ft/lb torque
- Rotation breaks for directional drilling

TOPHEAD TRAVEL

- Adequate working space for Range-3 drillpipe and casing
- Tophead hoist speed 109 ft/minute
- Tophead travel down speed 133 ft/minute
- Tophead equipped to handle elevators and links

Rig is hard-piped with 5,000 PSI rating for mud or air plumbing, complete with remote-control-actuated valves.

Summary

Although this unit is especially designed for drilling in a confined space, it is a great package for multiple applications.

- All electric over hydraulic controls, many of them automated for safe operation with minimal labor requirements.
- All functions and digital video from the two remote-controlled cameras can be monitored by the internet from anywhere in the world.
- Many of the drill unit's set-up and tear-down operations can be remotely executed by a wireless hand unit.
- Excellent for horizontal and vertical drilling.
- Designed for Range-3 drillpipe and casing.
- Hard-plumbed for 5,000 psi mud or air with remote control valves.



Innovator of portable drilling equipment

www.gefco.com

• 2215 So. Van Buren • Enid, Oklahoma 73703 • 580.234.4141 • 800.759.7441