

Lone Star LS200H / LS300H

The Lone Star LS200H hydraulic drill rig provides improved performance and ease of operation over winch operated rigs. Conveniently placed hydraulic valves control operation and direction of both the rotary and draw-works. A 3-way ball valve is placed near the rig operator to quickly bypass mud flow when adding pipe. The by-pass flow control allows pushing when the rig is anchored. Drills a 6 inch borehole to 200 feet in sandy and clay soils. The complete package includes a mud pump, set of hoses, sturdy M250 drill pipe with straight thread tool joints, drag bits, reamers, tools and spare parts. In addition to water wells, applications include soil sampling, geotechnical testing, exploration shot holes and auger drilling. Will penetrate soft rock formations, but not recommended for drilling hard rock.

Manufactured by Little Beaver



Swivel and Table Base



Rotary & Swivel



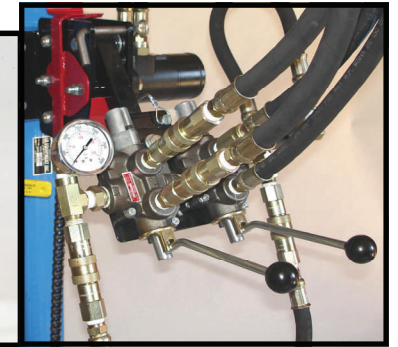
LS200H Mud Pump



LS300H Mud Pump



Hydraulic Power Unit (Gas)



Hydraulic Control Valves

SPECIFICATIONS:

Mast:

Heavy Duty Welded Steel Frame
Components Break Down for Ease of Transport
Pull Back - 2,500 lbs
Push Down - Adjustable 0 - 2,500 lbs
3-Way Ball Valve
66" Travel

Rotary:

Hydraulic Top Head Drive
70 RPM Rotation Speed
375 Ft Lbs Max Torque
2" Full Flow Side Inlet Swivel with Easily Replaceable Seals
Swings Aside or Removes for access to borehole

Controls:

Rear Mounted Dual Valves
3,000 psi Pressure Gauge
Adjustable Independent Relief Valves
Adjustable Flow Control for Push Down

Dimensions & Weights:

Height - 96.5 in., Width - 12 in. (base), Length - 24 in.
Mast - 174 lbs, Rotary - 70 lbs, Base - 49 lbs.
LS200H Package complete: 2,250 lbs crated
LS300H Package complete: 2,900 lbs crated

Hydraulic Power Unit:

11 HP Honda Gas - 6 GPM, 2,500 PSI
10 HP Yanmar or Hatz Diesel - 6 GPM, 2,500 PSI

Mud Pump (LS200H):

5.5 HP Honda Gas or 5 HP Hatz Diesel Engine
100 Ft Max Head
165 GPM Max Flow
2" Suction and Discharge

Mud Pump (LS300H):

13 HP Honda Gas or 10 HP Yanmar Diesel Engine
190 Ft Max Head
200 GPM Max Flow
2" Suction and Discharge

Drill Stem:

2" ID X 5 FT M250 Straight Thread Tool Joints with Breakout Lugs
LS200H (40 pcs), LS300H (60 pcs)

Bits Included: Step Drag Bits- (3) 3-7/8", (1) 5-7/8"; Reamers- (1) 5-7/8", (1) 7". All bits are carbide faced

Options:

Wheel Kit



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