



LONE STAR DRILLS

LS T1 / LS T1+



The Lone Star T1+ fully hydraulic drill rig is mounted on a rugged, lightweight single axle trailer complete with 3 leveling jacks. Standard power is 2 Honda GX series air cooled gas engines. Options include Kohler and Yanmar air cooled diesels. Capable of drilling a 6 inch borehole up to 300 feet deep in a variety of soils. Standard package includes: Mayhew Jr drill pipe, mud pump and hoses, 4" and 6" drag bits and reamers, casing flush tool, bailer and rig tool box. 1 Anchor kit allows pushing beyond weight of trailer, allowing effective use of roller cone bits in rock. Can be shipped fully assembled in a 20 ft container or knocked down and palletized for shipping via LCL ocean freight or by air.



Mast Folds for Travel



Rotary & Control Valves

SPECIFICATIONS:

Mast:

6" x 3" Tubing, #80 Chain, 78" travel
 5,000 lbs Pullback (@ 2,500 PSI)
 5,000 lbs Pushdown (@ 2,500 PSI)
 3-way Ball Valve for Mud Flow By-pass

Rotary:

665 lbs/ft Max Torque (@ 2,500 PSI)
 T1: 60 RPM @ 6 gpm
 T1+: 95 RPM @ 10 GPM
 Load Bearing Side Inlet Swivel
 Manual J-latch breakout tool

Mud Pump:

190 Ft Max Head
 200 GPM Max Flow
 2" Discharge
 2" Suction
 Gas: 13 HP Honda, Diesel: 10 HP Yanmar

Trailer:

2,000 lb Rated Tandem Axle, 4 X 5 Ft Open Grating
 Bed, Leveling Jacks (3), 2" Ball Coupler, Spare Tire
 Dimensions: Overall Length 130", Width 68"
 Height, Transport 70"
 Height, Operating 130"
 Operating Weight: 1,750 lbs (average)

LST1 Hydraulic System:

2,700 PSI Max Pressure
 5 Gal. Hydraulic Reservoir
 10 Micron spin-on oil filter
 Diesel: 10 HP Yanmar, Air Cooled, Manual Start, 6 GPM
 Gas: 13 HP Honda, Air Cooled, Manual Start, 6 GPM

LST1+ Hydraulic System:

3000 PSI Max Pressure
 Built-in Heat Exchanger and Cooling Fan
 3 Gal. Hydraulic Reservoir
 4 Gal. Fuel Tank
 Gas: 20 HP Honda, Air Cooled, Electric Start, 10 GPM
 Diesel: 19 HP Lombardini, Air Cooled, Elec. Start, 10 GPM

Controls:

Rotary - 4 Way Detented Valve
 Draw-works - 4 Way Spring Centered Valve
 Bypass Flow Control on Draw-works Pushdown
 Circuit Provides Adjustable Weight on Bit
 Pressure Gauge - 0-3,000 PSI

Drill Stem & Bits:

2" ID X 5 FT Mayhew Jr Taper Thread Tool Joints
 3-7/8", 5-7/8" and 7" Drag Bits and Reamers

Options:

Drill Collars
 Roller Cone Bits
 DTH Air Hammer Kit



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