



SONIC RIG

TSi 150c

Powerful, Efficient, Flexible

The TSi 150 Crawler Sonic Drill Rig is a full size track mounted unit with a 240 horsepower diesel engine that powers all driving, drilling and accessory hydraulic functions. This drill rig features an exclusive TSi 150 Sonic oscillator that efficiently utilizes up to 150 hp to generate powerful resonant sonic energy in the drill string to a rated drilling depth of 304.8 meters (1,000') with 152.4 mm (6 inch) casing, dependent on ground conditions. The TSi 150 Crawler mast enables drilling angles anywhere between vertical and 45°, incorporates an integrated hose management system within its tubular frame, and utilizes a drive system that operates the feed frame with half the chain length and rollers of conventional drive methods. Due to it's large size the mast handles 20' drill steel, allowing quick and efficient drill pipe tripping.

This drill comes complete with a dedicated tracked carrier equipped with a work platform adjoining the units and a pneumatic lift with tongs to assist the crews with pipe.

Depth Capabilities:

152.4mm (6") Casing: 244m (800')

Dimensions:

Width: 3.6 m (11' 9") | Length: 10.3 m (33' 11") | Height: 11m (36')

Weight: 40,480 lbs (18,361kg)

Rig Features:

- Engine Power: 240 hp
- Stroke: 7.5m m (24.5')
- Pull Back Force: 97.9kN (22,000 lbf)
- Down Force: 67.7kN (15,000 lbf)
- Oscillatory Frequency: 0 - 150 Hz
- Oscillator Force: 222kN kg (50,000 lbf)
- Rotation Speed: 0 to 80 rpm
- Max Torque: 4,677 ft-lbs (6341 N-m)
- Winch Pull Back: 907 kg (2,000 lbs)
- Ground Pressure: 6.7 psi
- Drilling Angle: Vertical to 45 degrees
- Complete with track crane carrier
- On-Board SPT Hammer
- Above ground work platform

