

D550

HORIZONTAL DIRECTIONAL DRILL



FULL CONTROL. The ultra-slow speed control technology delivers precise thrust control to optimize cutting action for challenging rock bore conditions, while the three different operating modes, thrust, rotation and speed add efficiency to the drilling process for smooth and efficient operation.



CLASS-LEADING TORQUE. With 100,000 foot-pounds (135,581.8 Nm) of torque, you can go from the pilot bore to a larger reamer and reduce the number of passes made on a bore.



FULL TRAVEL VISE. The vise can be positioned up and down the rack as needed when making and breaking tooling joints. Position it close to the carriage for optimal efficiency during casing installations.



LOW NOISE LEVELS. The 112 dB(A) sound level ensures a quiet jobsite environment for your crew and helps you adhere to restrictive noise-level requirements.



4-IN (10.2-CM) FLUID COURSE. New 4-in (10.2 cm) fluid course allows more fluid to be pumped downhole at a low pressure drop.



QUICK JOBSITE SET UP. The track-mounted, self-contained maxi rig helps deliver ease of jobsites access and setup.

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GENERAL DIMENSIONS AND WEIGHTS

Min transport length: 648 in (1,645.9 cm)

Min transport width: 100 in (254 cm)

Min transport height: 138 in (350.5 cm)

Weight (without vise): 95,000 lb (43,100 kg)

Weight (with vise): 105,000 lb (47,630 kg)

ENGINE

Make and model: Caterpillar C18 ACERT

Fuel type: Ultra-low sulfur diesel

Max engine rpm: 1,800 rpm

Gross horsepower: 599 hp (447 kW)

Cooling method: Liquid

Aspiration: Turbocharged and after-cooled

EPA certification family: Tier 4 Final (EU Stage V)

FLUID CAPACITIES

Fuel tank: 163 gal (617 L)

Hydraulic tank: 210 gal (795 L)

DRILL PIPE OPTION ONE

Diameter and length: 5-1/5 in - Range 2

Connection type: 5-1/2 FHDS

DRILL PIPE OPTION TWO

Diameter and length: 6-5/8 in - Range 2

Connection type: 6-5/8 FH or FHDS

TRANSPORT DIMENSIONS



DRILL PIPE OPTION THREE

Diameter and length: 4-1/2 in IF Range 2

Connection type: 4-1/2 in IF

OPERATIONAL

Thrust/Pullback: 550,000 lb (2,445 kN)

Max carriage speed at max engine rpm: 105 ft/min (32 m/min)

Max spindle torque (low at max engine rpm): 100,000 ft-lb (135,500 Nm)

3 motor gearbox: 100 rpm, 75,000 ft-lbs (101,686.5 Nm) torque

4 motor gearbox: 75 rpm, 100,000 ft-lbs (135,582 Nm) torque

Max spindle speed at max engine rpm: 75 rpm

Max ground drive speed at max engine rpm: 2.15 mph (3.45 km/h)

Noise level at operator's ear: 70 dB(A)

Drill rack angle: 10 - 18°

FEATURES

Breakout system: Full Travel Vise

Drilling lights: Standard

Flow indicator: Mud Pressure Sensor standard

Cab: Remote DC10 Driller Cabin

Strike alert: Standard

Remote lockout: Long Range Remote Lockout