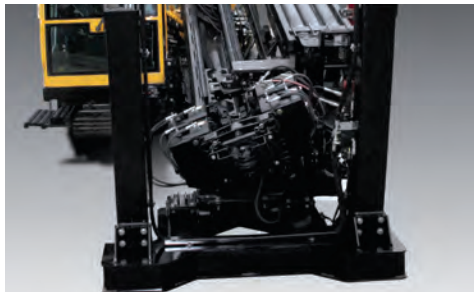


D100x140 S3 NAVIGATOR®

HORIZONTAL DIRECTIONAL DRILL



OPEN-TOP VISE. An angled, open-top vise allows for the passage of larger tooling. Because of the large opening, operators can also use it to break out tooling.



STACKABLE ROD BOXES. Stackable rod boxes are easy to use with a single pin and patent-pending auto lock.



DRILL EFFICIENTLY. The D100x140 S3 features the DigiTrak® Aurora™ full-color touchscreen display, delivering an engaging experience, which helps make a driller's day more productive.



OPTIONAL ONBOARD CRANE. Choose the optional onboard knuckleboom style crane to reduce the amount of support equipment needed onsite.



INCREASE YOUR RANGE. Unique four-bar linkage rack and additional pads allow operators to set up entry angles of 11° – 24° — increasing range attainable with tracks fully on ground.



FIRESTICK® DRILL ROD. Experience the difference that has made one-piece, forged Firestick drill rod the industry benchmark.

D100x140 S3 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

GENERAL WEIGHTS AND DIMENSIONS

Min transport length (15' [4.6 m] rod option): 31.3' (9.5 m)

Min transport length (20' [6.1 m] rod option): 36.3' (11.1 m)

Min transport width: 100" (254 cm)

Min transport height: 11.3' (3.4 m)

Min weight (15' [4.6 m] rod option): 45,800 lb (20,774.5 kg)

Min weight (20' [6.1 m] rod option): 48,300 lb (21,908.5 kg)

ENGINE

Make/Model: Caterpillar

Fuel type: Ultra-low sulfur diesel

Max engine rpm: 2200 rpm

Gross horsepower: 275 hp (205 kW)

Cooling method: Liquid

Aspiration: Turbocharged

Emissions rating: Tier 4 Final (EU Stage IV)

OPERATIONAL

Thrust/Pullback: 100,000 lb (444.8 kN)

Max carriage speed: 205 fpm (62.5 m/min)

Max spindle torque (low at max engine rpm): 14,000 ft-lb (18,981.5 Nm)

Max spindle speed: 230 rpm

Max ground drive speed: 1.7 mph (2.7 km/h)

Noise level: 82 dB(A)

FLUID CAPACITIES

Fuel tank: 120 gal (454.2 L)

Hydraulic tank: 75 gal (283.9 L)

OPTIONAL DRILLING FLUID SYSTEM

Max flow: 230 gpm (870.6 L/min)

Max pressure: 900 psi (6.2 MPa)

OPTIONAL CRANE

Weight: 2400 lb (1088.6 kg)

Max lifting capacity at 10.7' (3.3 m): 5950 lb (2698.8 kg)

Max lifting capacity at 19.7' (6 m): 3750 lb (1701 kg)

Rotation: 360°

Max reach: 19.7' (6 m)

FEATURES

Drilling lights: Standard

Stakedown system: Optional

Remote ground drive control: Optional

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE OPTION ONE

Type: Firestick drill rod

Length: 15' (4.6 m)

Joint diameter: 4.375" (11.1 cm)

Pipe diameter: 3.5" (8.9 cm)

Weight: 261 lb (118.4 kg)

Min bend radius: 197' (60 m)

Rod carrying capacity: 135' (41.1 m) with permanent rod box,
270' (82.3 m) with stacked box

DRILL PIPE OPTION TWO

Type: Firestick drill rod

Length: 20' (6.1 m)

Joint diameter: 4.4" (11.2 cm)

Pipe diameter: 3.5" (8.9 cm)

Weight: 374 lb (169.6 kg)

Min bend radius: 197' (60 m)

Rod carrying capacity: 180' (54.9 m) with permanent rod box,
360' (109.7 m) with stacked box

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