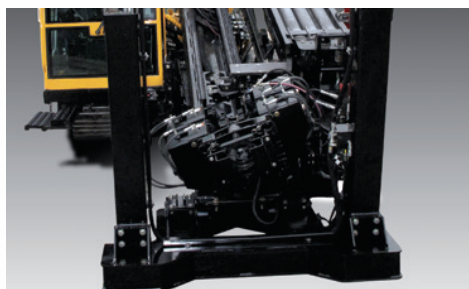


D100x140 S3 NAVIGATOR[®]

HORIZONTAL DIRECTIONAL



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.



VERMEER.COM



EQUIPPED TO
DO MORE.

D100x140 S3 NAVIGATOR[®] HORIZONTAL DIRECTIONAL DRILL

GENERAL WEIGHTS AND DIMENSIONS

Min transport length (15 ft [4.6 m] rod option): 31.4 ft (9.5 m)

Min transport length (20 ft [6.1 m] rod option): 36.4 ft (11.1 m)

Min transport width: 102 in (254 cm)

Min transport height: 11.5 ft (3.4 m)

Min weight (15 ft [4.6 m] rod option): 50,300 lb (22,815.7 kg)

Min weight (20 ft [6.1 m] rod option): 52,500 lb (23,813.6 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 V)

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 at operator's ear: 82 dB(A)

FLUID CAPACITIES

Fuel tank: 115 gal (435 L)

Hydraulic tank: 80 gal (302.8 L)

DRILLING FLUID OPTION ONE (APLEX)

Max flow: 200 gpm (757 L/min)

Max pressure: 1,000 psi (6.9 MPa)

DRILLING FLUID OPTION TWO (KERR)

Max flow: 230 gpm (870.6 L/min)

Max pressure: 1,100 psi (7.6 MPa)

OPTIONAL CRANE

Weight: 2,600 lb (1,179.3 kg)

Max lifting capacity at 13 ft (3.95 m): 5,070 lb (2,300 kg)

Max lifting capacity at 19.5 ft (5.95 m): 3,970 lb (1,800 kg)

Rotation: 360°

Max reach: 19.5 ft (5.95 m)

FEATURES

Drilling lights: Standard

Stakedown system: Optional

Remote ground drive control: Standard

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE OPTION ONE

Type: Firestick drill rod

Length: 15 ft (4.6 m)

Joint diameter: 4.375 in (11.1 cm)

Pipe diameter: 3.5 in (8.9 cm)

Weight: 261 lb (118.4 kg)

Min bend radius: 197 ft (60 m)

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

DRILL PIPE OPTION TWO

Type: Firestick drill rod

Length: 20 ft (6.1 m)

Joint diameter: 4.375 in (11.2 cm)

Pipe diameter: 3.5 in (8.9 cm)

Weight: 374 lb (169.6 kg)

Min bend radius: 197 ft (60 m)

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

OPTIONAL STAKE DOWN

Spade Stakedown

Aggressive Rotary Stakedown

Weight: 1,000 lb (454 kg)

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