

D24x40 SERIES II NAVIGATOR[®]

HORIZONTAL DIRECTIONAL DRILL



CLIMATE-CONTROLLED CAB.

The climate-controlled cab option offers prime visibility, allowing the operator to easily monitor all machine operations in comfort.



DRILL EFFICIENTLY. The D24x40 Series II features the DigiTrak[®] Aurora™ full-color touch-screen display, delivering real-time, easy-to-view locate information which can help make a driller's day more productive.



DRILL ON. AutoDrill allows the operator to set the rotation and thrust/pullback pressure while drilling in changing soil conditions. The Auto Resume function allows slurry/cuttings to mix before thrust/pullback resumes.



THE FIRESTICK[®] DRILL ROD ADVANTAGE.

Designed to handle high-torque drilling while retaining a large inside diameter for superior drilling fluid flow, characterized by uniform strength and consistent quality.



KEEP YOUR TORQUE IN CHECK. The torque limiter provides proper makeup torque to drill rod joints, and prevents operator from over-torquing drill rod, helping to increase life of the drive chuck and drill rod.



EXTEND YOUR JOB. Increase the length of your bore and minimize the loading time with the semiautomated add-a-rod feature. Add more rods [10' (3.1 m) rod] to maximize jobsite productivity.

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GENERAL WEIGHTS AND DIMENSIONS

Max operation length: 20.1' (6.1 m)

Height: 76" (193 cm)

Height (with cab): 92" (233.7 cm)

Weight: 20,200 lb (9162.6 kg)

Weight (with cab): 20,800 lb (9434.7 kg)

ENGINE OPTION ONE

Make and model: John Deere PowerTech 4045HFC93

Fuel type: Ultra-low sulfur diesel

Max engine rpm: 2400

Gross horsepower: 125 (93 kW)

Max torque: 341 ft-lb (462.3 Nm)

EPA certification family: Tier 4i (EU Stage IIIB)

ENGINE OPTION TWO

Make and model: John Deere PowerTech 4045HF275

Fuel type: Diesel

Max engine rpm: 2400

Gross horsepower: 125 hp (93 kW)

Max torque: 341 ft-lb (462.3 Nm)

EPA certification family: Tier 3 (EU Stage IIIA)

OPERATIONAL

Thrust/Pullback: 24,000 lb (106.8 kN)

Max carriage speed at max engine speed: 253 ft/min (77.1 m/min)

Max spindle torque (low at max engine rpm): 4200 ft-lb (5694.4 Nm)

Max spindle speed at max engine rpm: 270 rpm

Min bore diameter: 3.5" (8.9 cm)

Max ground drive speed at max engine rpm: 3 mph (4.8 km/h)

Noise level at operator's ear: 92 dB(A)

Drill rack angle: 14-21°

FLUID CAPACITIES

Fuel tank: 45 gal (170.3 L)

Engine crankcase with filter: 14.6 qt (13.8 L)

Hydraulic tank: 45 gal (170.3 L)

Hydraulic system: 55 gal (208.2 L)

Engine cooling system: 8 qt (7.6 L)

Antifreeze tank for drilling fluid pump: 5 gal (18.9 L)

HYDRAULIC SYSTEM

Auxiliary pump flow at max engine rpm: 47 gpm (177.9 L/min)

Auxiliary pump relief pressure: 3000 psi (206.8 bar)

Thrust/Pullback pump flow at max engine rpm: 33 gpm (124.9 L/min)

Thrust/Pullback pump relief pressure: 6000 psi (413.7 bar)

Rotation pump flow at max engine rpm: 33 gpm (124.9 L/min)

Rotation pump relief pressure: 6000 psi (413.7 bar)

DRILLING FLUID SYSTEM

Max flow: 50 gpm (189.3 L/min)

Max pressure: 1300 psi (89.6 bar)

FEATURES

Breakout system: Side-load vise

Drilling lights: Standard

Flow indicator: Standard

Stakedown system: Yes, stationary

Cab: Optional

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE

Type: Firestick drill rod

Length: 10' (3.1 m)

Joint diameter: 2.625" (6.7 cm)

Rod diameter: 2.375" (6 cm)

Min bend radius: 108' (32.9 m)

Rod carrying capacity: 500' (152.4 m)

InSite
EQUIPPED™

Please see your local Vermeer dealer for information on engine option availability.

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