

# 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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