

D36x50 SERIES II NAVIGATOR®

HORIZONTAL DIRECTIONAL DRILL



CLIMATE-CONTROLLED CAB. The climate-controlled cab option provides visibility, allowing the operator to easily monitor all machine operations for enhanced efficiency and comfort on the jobsite.



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.



DRILL EFFICIENTLY. The D36x50 Series II features the DigiTrak® Aurora™ full-color touchscreen display, delivering real-time, easy-to-view locate information which can help make a driller's day more productive.



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.



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



MUD PUMP OPTION. The drill is available with a 50-gpm (189.3 L/min) or 70-gpm (265 L/min) onboard pump, providing higher flow when backreaming, helping increase efficiency.

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GENERAL WEIGHTS AND DIMENSIONS

Max operating length [10' (3 m) rod option]: 21.3' (6.5 m)

Max operating length [15' (4.6 m) rod option]: 25.8' (7.9 m)

Width (with cab, min transport): 90" (228.6 cm)

Height: 75" (190.5 cm)

Height (with cab): 91" (231.1 cm)

Weight [10' (3 m) rod option]: 23,600 lb (10,704.8 kg)

Weight with cab [15' (4.6 m) rod option]: 25,600 lb (11,612 kg)

ENGINE OPTION ONE

Make and model: John Deere PowerTech 4045HFC93

Fuel type: Ultra-low sulfur diesel

Max engine rpm: 2400

Gross horsepower: 140 (104 kW)

Max torque: 367 ft-lb (497.6 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: 140 hp (104 kW)

Max torque: 367 ft-lb (497.6 Nm)

EPA certification family: Tier 3 (EU Stage IIIA)

OPERATIONAL

Thrust/Pullback: 36,000 lb (160.1 kN)

Max carriage speed at max engine speed: 175 ft/min (53.3 m/min)

Max spindle torque (low at max engine rpm): 5000 ft-lb (6779.1 Nm)

Max spindle speed at max engine rpm: 227 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: 18°

FLUID CAPACITIES

Fuel tank: 45 gal (170.3 L)

Engine crankcase with filter: 15.5 qt (14.7 L)

Hydraulic tank: 45 gal (170.3 L)

Hydraulic system: 55 gal (208.2 L)

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

DRILLING FLUID SYSTEM

Max flow: 50 gpm (189.3 L/min) or 70 gpm (265 L/min)

Max pressure: 850 psi (58.6 bar) or 1100 psi (or 75.8 bar)

FEATURES

Breakout system: Side-load vise

Cab: Optional

Flow indicator: Standard

Stakedown system: Yes

Drilling lights: Standard

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE – 10' (3 M) OPTIONS

Type: Firestick drill rod

Rod diameter: 2.375" (6 cm) or 2.625" (6.7 cm)

Min bend radius: 108' (32.9 m) or 145' (44.2 m)

Weight: 81 lb (36.7 kg) or 117 lb (53.1 kg)

Rod carrying capacity: 500' (152.4 m) or 450' (137.2 m)

DRILL PIPE – 15' (4.6 M) OPTIONS

Type: Firestick drill rod

Rod diameter: 2.375" (6 cm) or 2.625" (6.7 cm)

Min bend radius: 108' (32.9 m) or 145' (44.2 m)

Weight: 120 lb (54.4 kg) or 165 lb (74.8 kg)

Rod carrying capacity: 600' (182.9 m) or 525' (160 m)

InSite
EQUIPPED

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

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