

Vermeer®

Horizontal Directional
Drilling System

D36x50

Series II



NAVIGATOR®

Midsized with Big Features.

When HDD operators talk, Vermeer listens. It is that approach that has made the Vermeer Navigator an industry leader in horizontal directional drilling. Now equipped with more features and innovative options than ever before, Vermeer offers the D36x50 Series II midsized horizontal directional drill.

Powered by a John Deere 4045 Tier 3 diesel engine providing 4,995 ft-lb (6772 Nm) of torque and 36,000 lb (16,329 kg) of thrust/pullback force, the D36x50 Series II is ready for a wide range of bores, even in difficult ground conditions.

An ergonomically designed operator's station features the Vermeer-exclusive Multi-Function Display (MFD), an integrated remote display that is compatible with select DCI drill head locator systems. For precise, fingertip control of key machine operations, the D36x50 Series II is equipped with electronic joysticks.

With the highest power-to-size ratio in its class and narrowly designed rack and pinion for a small footprint, the D36x50 Series II is built to perform in confined spaces.



Climate Controlled Cab. The climate-controlled cab option provides 360-degree visibility, allowing the operator to easily monitor all machine operations for enhanced operator efficiency and comfort on the job site.

Protect your investment.

The industry-exclusive Vermeer Equipment Limited Warranty offers you peace of mind by providing additional lifetime warranty protection on all rack-and-pinion gears.



Operator's Station. As a standard component mounted on the ergonomically designed operator's station, Multi-Function Display (MFD) is an integrated remote display that offers operators the ability to use select DCI drill head locator systems which enhances flexibility and ease of operation.

Horizontal Directional Drilling System



Versatility.

The Rock Adaptable Terrain Tool (R.A.T.T.) offers operators the ability to drill and steer through varying soil conditions – including soft soil, gravel, cobblestone, and solid rock.



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



Vermeer one-piece, forged Firestick® rods feature superior bend radius with threads designed specifically for directional boring.

D36x50 Series II Specifications

General

Length w/ 15' (4.6 m) rod: 278" (705 cm)
 Length w/ 10' (3 m) rod: 228" (579 cm)
 Width (fixed tracks): 82" (208 cm)
 Width (fixed tracks w/ cab option): 90" (229 cm)
 Height: 75" (191 cm)
 Height w/ cab option: 89" (226 cm)
 Weight w/ 10' (3 m) rod: 19,800 lb (8981 kg)
 Weight w/ 10' (3 m) rod: 20,550 lb (9321 kg)
 Weight w/ 15' (4.6 m) rod: 21,850 lb (9910 kg)
 Weight w/ 15' (4.6 m) rod and cab option: 22,600 (10251 kg)
 Breakout system: Power-vise
 Stakedown system: Stationary, dual stakes

Operational

Max spindle torque: 4995 ft-lb (6772 Nm)
 Max spindle speed: 227 rpm
 Thrust (actual): 36,000 lb (16,329 kg)
 Pullback (actual): 36,000 lb (16,329 kg)
 Carriage speed (w/o cab option): 175 fpm (53 m/min)

Power

Engine: John Deere Diesel 4045 (4.5L) Tier 3 Turbo
 Gross hp: 140 hp (104 kw)
 Maximum governed speed: 2400 rpm

Drill Stem

Type: FIRESTICK® II
 Length: 15' (4.6 m) or 10' (3 m)
 Joint diameter: 2.75" (7 cm)
 Pipe diameter w/ 15' (4.6 m) rod: 2.625" (7 cm)
 Pipe diameter w/ 10' (3 m) rod: 2.375" (6 cm)
 Minimum bend radius w/ 15' (4.6 m) rod: 145.5' (44 m)
 Minimum bend radius w/ 10' (3 m) rod: 108' (33 m)
 Weight w/ 15' (4.6 m) rod: 143 lb (65 kg)
 Weight w/ 10' (3 m) rod: 81 lb (36.7 kg)
 Rod carrying capacity w/ 15' (4.6 m) rod: 600' (183 m)
 Rod carrying capacity w/ 10' (3 m) rod: 500' (152 m)

Fluid Capacities

Engine oil (including filter): 15.5 qt (14.7 L)
 Fuel tank: 45 gal (170 L)
 Hydraulic reservoir: 45 gal (208 L)

Water Pump Options

50 gpm (189 L/pm) Apex Mud Pump
 50 gpm (189 L/pm) FMC Mud Pump
 70 gpm (318 L/pm) Apex Mud Pump

Options

Rubber or steel tracks
 Climate-controlled cab
 Bucket greaser - 1 gal (4 L)
 Mud pump - 50 or 70 gal (189 or 265 L)



Vermeer offers everything from specialty tooling to training and technology.

At any given time, more than half of all horizontal directional drilling units in the world are Vermeer NAVIGATOR machines. To help ensure smooth-running operations, Vermeer offers everything you need — from one-day training seminars to computer software — for more efficient bore planning and performance.



The Vermeer Cutting Edge Group produces some of the world's most popular HDD tooling, specialty tooling, and custom-made tooling. Call for a **FREE** HDD accessories catalog! **Call 1-866-VERMEER** or view online at **www.vermeer.com**.



High volume. The new MX240 Modular Drilling Fluid System is designed to deliver fast mixing of drilling fluid for larger-diameter and long distance HDD applications.



Wetting agents, polymers, and bentonites — you need the right mix to get through the tough bores. Vermeer offers specially formulated nontoxic polymer and bentonite drilling fluids to get the job done.



Locating systems are developed by working closely with the world's premier locating companies. Vermeer helps keep you on the leading edge of technology by offering a variety of options designed to meet the needs of varying applications.



Vermeer features a global team of NAVIGATOR HDD solutions specialists that provide localized training and operation expertise designed for the conditions in your area.



One-day horizontal directional drilling seminars offered by industry experts at a Vermeer dealership near you focus on current issues in the horizontal directional drilling industry.



The efficient, economical way to plan a bore. Vermeer ATLAS BORE PLANNER® software heightens professionalism by aiding the operator in preplanning the bore and comparing the planned bore path with the actual bore path. The Vermeer FieldCalc™ system combines software and a hand-held computer to provide job site calculations, including setback distance, pullback time, and point-to-point calculations.

Your Complete Global Service Provider for Quality Parts and Service.



Get the parts and service edge. In addition to providing quality equipment, Vermeer delivers top-quality parts and superior services. Vermeer parts are manufactured to exacting specifications to help keep your Vermeer equipment running trouble-free and at OEM specifications.



Vermeer offers factory training programs to its dealer network to ensure that the most current service procedures are presented to the service personnel of your Vermeer dealer.



Genuine Vermeer parts are precision crafted to match your Vermeer equipment EXACTLY. This ensures that your system will run as smoothly as possible, with the least amount of service and maintenance.



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