

D36x50

NAVIGATOR™



Horizontal Directional Drilling System



Midsized with Big Features.

The Vermeer® D36x50 NAVIGATOR® horizontal directional drilling machine is a compact HDD designed for a wide range of medium-diameter, mid- to long-distance applications such as easement work and road, river and creek crossings.

The D36x50 features an optional 10' or 15' rack, 4900 ft-lb (6600 Nm) of rotational torque, a 50 gpm (190 Lpm) onboard drilling fluid pump and 36,000 lbs. (16,300 kg) of pullback. The unit utilizes a unique rack-and-pinion drive system and offers three-speed rotational operation for varying ground conditions and backreamers. The operator's station offers electric-over-hydraulic thrust and rotation controls that incorporate the breakout system, fluid pump, throttle and machine functions. A pivoting one-piece fiberglass hood provides excellent access to the engine and hydraulic components. The Remote Lockout System helps prevent injuries by enabling the operator to lock out the drill anywhere along the bore path or at the exit site.

Drill Unit

Length: 212" (539 cm)-10 ft rack, 272" (691 cm)-15 ft rack
Width: 82" (208 cm)
Height: 83" (211 cm)
Weight: 19,800 lbs. (8981kg)-10 ft rack, 20,500 lbs (9299 kg)-15 ft rack
Hydraulic pipe vise: Yes
Transport speed: 1.4 mph (2.3 kmph)
Automated rod loader: Yes
Stakedown system: Yes (stationary)
Drilling lights: Yes

Operational

Maximum spindle torque:
4900 ft-lb (6600 Nm) @ 103 RPM
3700 ft-lb (5000 Nm) @ 137 RPM
1550 ft-lb (2100 Nm) @ 206 RPM
Actual pullback: 36,000 lbs. (16,300 kg)
Maximum spindle speed: 206 RPM
Electrical system: 12-volt

Water System

Max. flow: 50 gpm (189 Lpm)
Max. pressure: 1300 psi (90 bar)

Power Source

Engine: Cummins diesel
Gross HP: 125 HP (93 kw)
Max. governed speed: 2200 RPM

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Drill Stem

Type: Firestick® II
One-piece forged design: Yes
Length: 15' (4.6 m) w/ 15 ft rack, 10' (3 m) w/ 10 ft rack
Pipe diameter: 2.625" (6.7cm)
FIRESTICK rod capacity: 500' (150 m) w/ 10' rack, 405' (120 m) w/ 15 ft rack

Bore

Minimum bore diameter: 3.5" (8.9 cm)
Drill head will accept most locator systems

Fluid Capacities

Hydraulic reservoir: 60 gal. (227 L)
Engine oil, including filter: 11.5 qt. (10.9 L)
Fuel tank: 45 gal. (170 L)-w/ 10 ft rack, 29 gal. (110 L)-w/ 15 ft rack

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