

# Vermeer®

Horizontal Directional Drill

# D750x900

## The bigger the job, the harder they work

The field-tested Vermeer® D750x900 Navigator® horizontal directional drill (HDD) is just what the large-diameter drilling market has been waiting for: a tough, productive drill that has reliability written all over it.

Equipped with a floating top vise, manually operated hydraulic controls, and numerous features designed to prolong motor life, the D750x900 offers a proven design, plus the power and durability you need for those projects where a smaller machine won't do.



Vermeer D1000x900 shown in photo above.

# D750x900

## Horizontal Directional Drill

### Outstanding features help cut the biggest jobs down to size

- High-torque, low-speed hydraulic motors power the rotary and carriage drives. On the rotary drive, a single through-shaft motor is utilized to power the drill string and downhole tooling. The carriage drive is made up of high-torque / low-speed motors matched with planetary gearboxes that provide smooth and powerful force with fewer motors. The hydraulic design allows an operator to simultaneously run full rotary torque and full rotary rpm.
- The thrust box includes a large bearing-pack assembly designed to absorb the axial load caused by thrust and pullback. By shifting the load from the rotational motor to this assembly, we've reduced one of the factors that can shorten the life of a motor.
- The floating top vise is mounted to the carriage assembly and grips the drill rod directly in front of the quill, helping prevent rod wrap or windup when breaking out of the upper joint. This also eliminates the need to travel the front vise up the length of the rack, reducing cycle times and ultimately increasing productivity. A built-in float prevents premature wear to the drill-rod threading during upper-joint makeup and breakout.
- Vermeer products and solutions are backed by a worldwide independent, authorized dealer network that's among the best in the trenchless industry. We understand that when our customers are successful, we're successful. That's why we offer the resources that matter most, including service training, certified tooling and parts, and exceptional warranty programs.

### D750x900 Specifications

#### Drill Rack (trailer mounted)

Weight: 82,000 lb (37,194 kg)  
Length: 48' (14.6 m)  
Width: 8.4' (2.5 m)  
Suspension: Triple axle with air springs

#### Power Unit (skid mounted)

Length: 31' (9.3 m)  
Width: 7' (2.1 m)  
Height: 9' (2.7 m)  
Engines: CAT C-18 (2)  
Horsepower (gross): 1200 hp (895 kW)  
Max rpm: 2100 rpm

#### Operator Control Cab (skid mounted)

Length: 10' (3 m)  
Width: 8.5' (2.5 m)  
Height: 9' (2.7 m)  
Climate-control: Yes, in-wall combo unit  
Windows: 3 with protective covers

#### Operational

Maximum spindle torque at max engine rpm:  
92,000 ft-lb (125,120 Nm)  
Thrust: 750,000 lb (337,500 kg)  
Pullback: 750,000 lb (337,500 kg)  
Maximum spindle speed at max engine rpm: 64 rpm  
Maximum carriage speed at max engine rpm:  
95 ft/min (28.5 m/min)

#### Fluid Capacities

Fuel tank: 760 gal (2880.4 L)  
Hydraulic tank: 400 gal (1516 L)

#### Front Breakout Vise

Configuration: 3-jaw clamp  
Travel: 72" (182.9 cm)  
Maximum opening diameter: 8.5" (21.5 cm)

#### Rear Breakout Vise

Configuration: 2-jaw clamp

#### Features

Strike alert  
Remote lockout  
Operator presence system



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