

# D9x13 S3 NAVIGATOR®

## HORIZONTAL DIRECTIONAL DRILL



**MORE FEET PER DAY.** Featuring a 26% increase in carriage speed over its predecessor, the drill offers fast cycle times and enhanced productivity.



**PERFORMANCE REDEFINED.** The D9x13 S3 features a class-leading ground drive speed of 3 mph (4.8 km/h), which is a 26% increase over the previous model, and helps make jobsite entry and departure speedier.



**NARROW WHEN NEEDED.** With a slender profile, the D9x13 S3 can easily maneuver within narrow jobsites and yard gates. To enhance sidehill stability and ease loading and unloading, the tracks extend 6.5" (16.5 cm) outward, adding up to 18% more width (at the tracks).



**SHORTEN CYCLE TIMES.** Due to reduced hydraulic flow restriction to the rear vise clamp and rotation cylinders as well as valve sequence improvements, vise speed has been increased to help shorten cycle times and improve productivity as compared to previous models.



**SERVICEABILITY.** A one-piece, hinged hood offers durability as well as easy access to key service points.



**COMMON CONTROLS.** Streamlined common controls across our drill lineup with fewer gauges and electronics allow for seamless operation and increased productivity.



[VERMEER.COM](http://VERMEER.COM)



**EQUIPPED TO  
DO MORE.™**

# D9x13 S3 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

## GENERAL WEIGHTS AND DIMENSIONS

Min transport length: 12.5' (3.8 m)

Min transport width: 35.5 – 42" (90.2 – 106.7 cm)

Min transport height: 69" (175.3 cm)

Weight: 6300 lb (2857.6 kg)

## ENGINE OPTION ONE

Make and model: Kubota V1505-T-E4

Fuel type: Diesel

Max engine rpm: 3150

Gross horsepower: 44 hp (32.8 kW)

Max torque: 87.5 ft-lb (118.6 Nm)

Displacement: 91.5 cu in (1.5 L)

Cooling method: Liquid

Aspiration: Turbocharged

EPA certification family: Tier 4 Final

## ENGINE OPTION TWO

Make and model: Kubota V1505-T-E3

Fuel type: Diesel

Max engine rpm: 3150

Gross horsepower: 44 hp (32.8 kW)

Max torque: 88.5 ft-lb (120 Nm)

Displacement: 91.5 cu in (1.5 L)

Cooling method: Liquid

Aspiration: Turbocharged

EPA certification family: Tier 4i (EU Stage IIIB)

## OPERATIONAL

Thrust/Pullback: 9000 lb (40 kN)

Max carriage speed at max engine rpm: 188 ft/min (57.3 m/min)

Max spindle torque (low at max engine rpm): 1300 ft-lb (1762.6 Nm)

Max spindle speed at max engine rpm: 190

Min bore diameter: 2.5" (6.35 cm)

Max ground drive speed at max engine rpm (fwd/rev):  
3 mph (4.8 km/h) and 1.5 mph (2.4 km/h)

Noise level at operator's ear: 88 dB(A)

Drill rack angle: 14 -17° (24.9 - 30.6%)

## FLUID CAPACITIES

Fuel tank: 14 gal (53 L)

Engine crankcase with filter: 7 qt (6.6 L)

Hydraulic tank: 14 gal (53 L)

Hydraulic system: 24 gal (90.8 L)

Engine cooling system: 5 qt (4.7 L)

Antifreeze tank capacity: 25 gal (94.6 L)

## DRILLING FLUID SYSTEM

Max flow: 15 gpm (56.8 L/min)

Max pressure: 750 psi (51.7 bar)

Brand: FMC Bean

Onboard tank capacity: Optional 25 gal (94.6 L)

## FEATURES

Breakout system: Standard

Drilling lights: Optional

Flow indicator: Standard

Stakedown system: Standard

Strike alert: Standard

Remote lockout: Standard

## DRILL PIPE

Type: Firestick® drill rod

Length: 6' (1.8 m)

Rod diameter: 1.66" (4.2 cm)

Wall thickness: .191" (4.9 mm)

Joint inside diameter: .75" (19.1 mm)

Joint outside diameter: 1.88" (4.8 cm)

Weight: 26 lb (11.8 kg)

Bend radius: 95.5' (29.1 m)