

# D20x22 S3 NAVIGATOR®

## HORIZONTAL DIRECTIONAL DRILL



### RIGHT POWER, RIGHT FOOTPRINT.

The D20x22 S3 offers a sizeable increase in power and rotational torque over its predecessor, the D16x20 Series II, making it well-suited to install cable, fiber and product pipe efficiently and productively.



**COMMON CONTROLS.** The D20x22 S3 features the new common control platform from Vermeer, which assists in operator efficiency and training.



**NARROW WHEN YOU NEED IT.** The D20x22 S3 features a shorter, narrower design and is lighter weight than comparative competitive models, which allows for it to sit comfortably on a trailer when paired with a mix system.



**TOP OF ITS CLASS.** With class-leading rotational and carriage speeds, the D20x22 S3 helps contractors install more linear feet faster, maximizing jobsite productivity.



### GET TO YOUR NEXT JOB FASTER.

The D20x22 S3 features a 34% increase in tracking speed and a 30% increase in tracking power as compared to its predecessor, the D16x20 Series II, helping operators move up curbs and slopes faster to work more efficiently.



**SERVICEABILITY.** The drill's flip-up metal hood offers ease of access when performing routine service and maintenance.

# D20x22 S3 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

## GENERAL WEIGHTS AND DIMENSIONS

Min transport length: 16.75' (5.1 m)

Min transport width: 47" (119.4 cm)

Min transport height: 78" (198.1 cm)

Weight: 10,850 lb (4921.5 kg)

## ENGINE OPTION ONE

Make and model: Deutz TD2.9

Fuel type: Ultra-low sulfur diesel

Max engine rpm: 2600

Gross horsepower: 74 hp (55 kW)

Max torque: 192 ft-lb (260.3 Nm)

Displacement: 177 cu in (2.9 L)

Cooling method: Liquid

Aspiration: Turbocharged

EPA certification family: Tier 4 Final

## ENGINE OPTION TWO

Make and model: Deutz TD2.9

Fuel type: Low sulfur diesel

Max engine rpm: 2600

Gross horsepower: 74 hp (55 kW)

Max torque: 192 ft-lb (260.3 Nm)

Displacement: 177 cu in (2.9 L)

Cooling method: Liquid

Aspiration: Turbocharged

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

## OPERATIONAL

Thrust/Pullback: 19,550 lb (87 kN)

Max carriage speed at max engine rpm: 167 ft/min (50.9 m/min)

Max spindle torque (low at max engine rpm): 2250 ft-lb (3050.6 Nm)

Max spindle speed at max engine rpm: 257

Min bore diameter: 3" (7.6 cm)

Max ground drive speed at max engine rpm (fwd): 3.3 mph (5.3 km/h)

Noise level at operator's ear: 85.9 d(B)a

Drill rack angle: 17°

## FLUID CAPACITIES

Fuel tank: 25 gal (94.6 L)

Hydraulic tank: 30 gal (113.6 L)

Hydraulic system: 40 gal (151.4 L)

Antifreeze tank capacity: 2.5 (9.5 L)

## HYDRAULIC SYSTEM

Auxiliary pump flow at max engine rpm: 11.7 gpm (44.3 L/min)

Auxiliary pump relief pressure: 3000 psi (206.8 bar)

Thrust/Pullback pump flow at max engine rpm: 36 gpm (136.3 L/min)

Thrust/Pullback pump relief pressure: 3626 psi (250 bar)

Rotation pump flow at max engine rpm: 36 gpm (136.3 L/min)

Rotation pump relief pressure: 4061 psi (280 bar)

## DRILLING FLUID SYSTEM

Max flow: 25 gpm (94.6 L/min)

Max pressure: 1000 psi (69 bar)

## FEATURES

Breakout system: Standard hydraulic vise

Drilling lights: Optional

Flow indicator: Standard

Stakedown system: Standard

Strike alert: Standard

Remote lockout: Standard

## DRILL PIPE

Type: Firestick® drill rod

Length: 10' (3 m)

Rod diameter: 1.90" (48.3 mm)

Weight: 55 lb (24.9 kg)

Bend radius: 98.7' (30.1 m)

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