

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.

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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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