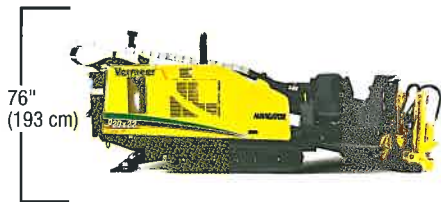


D20x22 SERIES II NAVIGATOR[®]

HORIZONTAL DIRECTIONAL DRILL



MANEUVERABILITY. At less than 76" (193 cm) in height, the low-profile design provides stability and ease of transport in comparison to taller competitive models.



OPERATOR'S STATION. The D20x22 Series II operator's station is designed for maximum comfort and productivity.



AUTODRILL. Allows the operator to set thrust/pullback speed, thrust/pullback pressure, or rotation pressure mode while drilling in changing soil conditions. The patent-pending Auto Resume function allows slurry cuttings to mix before thrust/pullback resumes.



MEASURED TO EXACT TOLERANCES. Firestick[®] drill rod from Vermeer is designed to handle high torque drilling situations while retaining a large inside diameter for superior drilling fluid flow. Constructed of Vermeer-specified, high-carbon alloy steel, Firestick rods have been heat-treated for uniform strength and consistent quality.



TAKE CONTROL. Common joystick controls throughout the Navigator lineup make moving from drill-to-drill and jobsite-to-jobsite easier for operators as well as shortening training time.

D20x22 SERIES II NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

GENERAL WEIGHTS AND DIMENSIONS

Max operation length: 16.7' (5.1 m)

Height: 76" (193 cm)

Weight: 11,700 lb (5307 kg)

ENGINE OPTION ONE

Make and model: Kubota Turbo 3800

Fuel type: Diesel

Max engine rpm: 2400

Gross horsepower: 83 hp (61 kW)

Max torque: 240 ft-lb (325.4 Nm)

Displacement: 230 cu in (3.8 L)

Cooling method: Antifreeze

EPA certification family: Tier 3 (Stage IIIA)

ENGINE OPTION TWO

Make and model: Kubota D3800 DI T-E4

Fuel type: Diesel

Max engine rpm: 2400

Gross horsepower: 94 hp (70 kW)

Max torque: 247 ft-lb (335 Nm)

Displacement: 230 cu in (3.8 L)

Cooling method: Liquid

EPA certification family: Tier 4i (Stage IIIB)

OPERATIONAL

Thrust/Pullback: 20,000 lb (89 kN)

Max carriage travel speed at max engine rpm: 135 ft/min (41.1 m/min)

Max spindle torque (low at max engine rpm): 2200 lb (2982.8 Nm)

Max spindle speed at max engine rpm: 208 rpm

Max ground drive speed: 2.5 mph (4 km/h)

Drill rack angle: 12 – 18°

Rod loader: Standard

Noise level at operator's ear: 90 d(B)a

FLUID CAPACITIES

Fuel tank: 25 gal (94.6 L)

Engine crankcase with filter: 9 qt (8.5 L)

Hydraulic tank: 23 gal (87.1 gal)

Engine cooling system: 16 qt (15.1 L)

HYDRAULIC SYSTEM

Auxiliary pump flow at max engine rpm: 24 gpm (90.8 L/min)

Auxiliary pump relief pressure: 3300 psi (227.5 bar)

Thrust/Pullback pump flow at max engine rpm: 33 gpm (124.9 L/min)

Thrust/Pullback pump relief pressure: 3335 psi (229.9 bar)

Rotation pump flow at max engine rpm: 33 gpm (124.9 L/min)

Rotation pump relief pressure: 3335 psi (229.9 bar)

DRILLING FLUID SYSTEM

Max flow: 25 gal (94.6 L)

Max pressure: 1000 psi (68.9 bar)

FEATURES

Breakout system: Hydraulic vise

Stakedown system: Standard

Electric strike alert: Standard

Remote lockout: Standard

Operator presence system: Standard

DRILL PIPE

Type: Firestick

Length: 10' (3 m)

Pipe diameter: 2.06" (5.2 cm)

Weight: 59 lb (26.8 kg)

Min bend radius: 101.9' (31.1 m)

Rod carrying capacity: 400' (122 m)

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