

D8x12 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL



STRAIGHTFORWARD CONTROLS. Controls with minimal electrical components, bringing you back to the basics with modern technology.



NARROW FOOTPRINT. This drill is 8.5" (21.6 cm) narrower in width than the next sized drill in the lineup and can get through a 36" (91.4 cm) gate or fit on a narrow trailer with other jobsite essentials.



LOW SOUND LEVELS. Low noise emission levels at the operator's ear of 85 dBA and a guaranteed sound power of 104 dBA make this drill perfect for installing small utilities in an urban environment with minimal disruption.



MORE POWER. Equipped with a 48 hp (35.8 kW) Kohler engine, this drill offers 1200 ft-lb (1627 Nm) of spindle torque and 7850 lb (3563.9 kg) of thrust/pullback.



TRACKS. Tracks offer ideal traction for operation while providing minimal ground disturbance. This track system design allows a forward ground drive speed of 2.8 mph (4.5 km/h), which is 45% faster than the leading competitor.



MULTIPLE ROD OPTIONS. Equip your drill with either a 6' (1.8 m) 1.66" or 1.31" (4.2 cm or 3.3 cm) Firestick® drill rod and save time on the job with 180' (54.9 m) of on-machine rod carrying capacity.

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GENERAL WEIGHTS AND DIMENSIONS

Min transport length: 139" (353 cm)

Min transport width: 35.5" (90 cm)

Min transport height: 65" (165 cm)

Min weight: 6000 lb (2722 kg)

Max weight: 6600 lb (2994 kg)

Angle of approach: 18 deg

Angle of departure: 20 deg

ENGINE

Make and model: Kohler KDI1903

Fuel type: Ultra-low sulfur diesel

Max engine rpm: 2200 rpm

Gross horsepower: 48 hp (36 kW)

Aspiration at full engine load: Turbocharged

Max fuel consumption: 2.5 gph (9.4 lph)

Emissions rating: Tier 4 Final (Stage IV)

Max operating angle (fore/aft): 25 deg

Max operating angle (left/right): 25 deg

OPERATIONAL

Thrust rod: 7850 lb (3563.9 kg)

Pullback rod: 7850 lb (3563.9 kg)

Max carriage speed at max engine rpm - fpm (m/min): 159 fpm
(48.5 m/min)

Max spindle torque (max engine rpm) - ft-lb (Nm): 1200 ft-lb
(1627 Nm)

Max spindle speed at max engine rpm - (rpm): 182 rpm

Min bore diameter: 2.5" (6.4 cm)

Max ground drive speed at max engine rpm - mph: 2.8 mph
(4.5 km/h)

Noise level at operator's ear: 85 dB(A)

Guaranteed sound power engine: 104 dB(A)

FLUID CAPACITIES

Fuel tank: 18 gal (68.1 L)

Hydraulic system: 25 gal (94.6 L)

DRILLING FLUID SYSTEM

Max flow: 9 gpm (34 L/min)

Max pressure: 750 psi (50.2 bar)

Brand: FMC

On board tank capacity: 25 gal

FEATURES

Breakout system: Standard hyd vise

Drilling lights: Optional

Stakedown system: Standard

Strike alert: Standard

Remote lockout: Standard

Rod greaser: Optional

Wash wand: Optional

DRILL PIPE OPTION ONE

Drill rod thread: 1.31 Firestick (#200)

Thread type: Firestick (#200)

Length: 6" (1.8 m)

Rod diameter: 1.66" (4.2 cm)

Joint inside diameter: 0.8" (2 cm)

Joint outside diameter: 1.88" (4.8 cm)

Weight: 26 lb (11.8 kg)

Bend radius: 57' (17 m)

Total machine rod capacity: 180' (55 m)

DRILL PIPE OPTION TWO

Drill rod thread: 1.66 Firestick (#200)

Thread type: Firestick (#200)

Length: 6' (1.8 m)

Rod diameter: 1.66" (4.2 cm)

Joint inside diameter: 0.8" (2 cm)

Joint outside diameter: 1.88" (4.8 cm)

Weight: 26 lb (11.8 kg)

Bend radius: 95.5' (29.1 m)

Total machine rod capacity: 180' (55 m)

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