

# 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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# D8x12 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

## 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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