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.

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 utilizes in an urban environment with minimal disruption.

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.
**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)