

D60x90 S3 NAVIGATOR®

HORIZONTAL DIRECTIONAL DRILL



IMPRESSIVE SIZE-TO-POWER RATIO. The D60x90 S3 boasts up to 60,000 lb (267 kN) thrust/pullback and 9,000 ft-lb (12,202.4 Nm) of rotational torque at just 100 in (254 cm) wide and 26 ft (7.9 m) long, so it's qualified for a range of installation specifications even in congested urban jobsites.



INCREASED POWER. The D60x90 S3 boasts a sizeable 17 hp (12.7 kW) increase over its predecessor, the D60x90, giving operators more power for drilling in difficult ground conditions.



SIGNIFICANTLY QUIETER. The D60x90 S3 has a guaranteed sound power rating of just 107 dB(A) — 12 dB(A) lower than its predecessor the D60x90 — resulting in reduced noise at operator's ear (83 dB(A)), increased operator comfort and less noise disturbance in residential or urban areas.



LARGE OPEN-TOP VISE DESIGN. The D60x90 S3 features a large open-top vise design for the purpose of removing and adding tooling.



CONVENIENT ROD LOADING. Easy-to-operate and reliable rod loader is inspired by the popular and proven D24x40 Series II design.



AURORA™ TOUCHSCREEN DISPLAY. Interactive, full-color display provides real-time location information plus tools to complete drilling activities more efficiently, and can replace the need for hard copy bore plans.

D60x90 S3 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

GENERAL WEIGHTS AND DIMENSIONS

Min transport length: 27.4 ft (8.4 m)
Min transport width: 100 in (254 cm)
Min transport height: 104 in (264.2 cm)
Weight: 39,000 lb (17,690.1 kg)

ENGINE

Make/Model: CAT® 7.1
Fuel type: Ultra low sulfur diesel
Max engine rpm: 2200 rpm
Gross horsepower: 202 hp (151 kW)
Max torque: 642 lb-ft (870 Nm)
Displacement: 433.3 in³ (7.1 L)
Cooling method: Liquid
Aspiration: Turbo Charged
Emissions rating: Tier 4 Final (EU Stage IV)

OPERATIONAL

Thrust/Pullback: 60,000 lb (266.9 kN)
Max carriage speed at max engine rpm: 175 ft/min (53.34 m/min)
Max spindle torque (low at max engine rpm): 9000 ft-lb (12,204 Nm)
Max spindle speed at max engine rpm: 200 rpm
Min bore diameter: 6 in (15 cm)
Max ground drive speed at max engine rpm (fwd): 3.7 mph (6 km/h)
Noise level at operator's ear: 83 dB(A)
Drill rack angle: 12–15° (21.3–26.8%)

TRANSPORT DIMENSIONS

DRILLING FLUID SYSTEM

Max flow: 150 gpm (567 L/min)
Max pressure: 900 psi (6.2 MPa)

FEATURES

Breakout system: Standard top load hydraulic vise
Drilling lights: Standard
Flow indicator: Standard
Stakedown system: Optional
Strike alert: Standard
Remote lockout: Standard

DRILL PIPE OPTION ONE

Type: Firestick® drill rod
Length: 15 ft (4.6 m)
Rod diameter: 2.875 in (7.3 cm)
Weight: 180 lb (81.7 kg)
Bend radius: 168.7 ft (51 m)
Onboard capacity: 600 ft (182.9 m)

DRILL PIPE OPTION TWO

Type: Firestick drill rod
Length: 15 ft (4.6 m)
Rod diameter: 3.5 in (8.9 cm)
Weight: 250 lb (113.5 kg)
Bend radius: 197.7 ft (60 m)
Onboard capacity: 360 ft (109.7 m)

