

D40x55 S3 NAVIGATOR®

HORIZONTAL DIRECTIONAL DRILL



PREMIUM PERFORMANCE. With 40,000 lb (177.9 kN) of thrust/pullback and 5,500 ft-lb (7,457 Nm) of rotational torque, the D40x55 S3 offers a 10% increase in thrust and rotation over its predecessor, the D36x50 Series II – helping to maximize productivity.



VARIETY OF ROD OPTIONS. The D40x55 S3 is available with a range of drill rod options, including a 10 ft (3 m) length in 2.38 in (6 cm) or a 2.63 in (6.7 cm) diameter, and a 15 ft (4.6 m) length in a 2.63 in (6.7 cm) diameter. A variety of rod options allows the drill to be configured to the specific needs of the contractor.



CLASS-LEADING CYCLE TIMES. The D40x55 S3 features a carriage speed of 188 fpm (57.3 m/min) – which is 7% faster than its predecessor, the D36x50 Series II – helping contractors install more linear feet per day.



SIGNIFICANT SOUND REDUCTION. With a 104 dB(A) guaranteed sound power level and an operator ear rating of 82.9 dB(A) [in-cab rating of 75.7 dB(A)], the D40x55 S3 is significantly quieter than its predecessor – contributing to a quieter working environment with less neighborhood disturbance and easier communication among the crew.



COMFORTABLE CAB. The excavator-style cab provides operators more legroom and greater comfort.



AURORA™ TOUCHSCREEN DISPLAY. Interactive full-color touchscreen display delivers real-time, easy-to-view locate information, bore plans and more that can help increase productivity.

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GENERAL WEIGHTS AND DIMENSIONS

Min transport length: 20.1 ft (6.1 m)

Min transport width: 89 in (226.1 cm)

Min transport height: 76 in (193 cm)

Height (with cab): 94.5 in (240 cm)

Min weight: 22,380 lb (10,151.4 kg)

Max weight: 26,110 lb (11,843.3 kg)

ENGINE OPTION ONE

Make and model: John Deere Series 4045

Fuel type: Ultra low sulfur diesel

Max engine rpm: 2,400 rpm

Gross horsepower: 140 hp (104 kW)

Emissions rating: Tier 4 Final (EU Stage V)

ENGINE OPTION TWO

Make and model: John Deere Series 4045

Fuel type: Diesel

Max engine rpm: 2,400 rpm

Gross horsepower: 140 hp (104 kW)

Emissions rating: Tier 3 (EU Stage IIIA)

OPERATIONAL

Thrust/Pullback: 40,000 lb (177.9 kN)

Max carriage speed at max engine rpm: 188 ft/min (57.3 m/min)

Max spindle torque (low at max engine rpm): 5,500 ft-lb (7457 Nm)

Inner rod speed: 265 rpm

Max spindle speed at max engine rpm: 200 rpm

Min bore diameter: 4 in (10.2 cm)

Max ground drive speed at max engine rpm (fwd): 3.3 mph (5.3 km/h)

Noise level at operator's ear: 82.9 dB(A)

Noise level at operator's ear (cab) : 75.7 dB(A)

Drill rack angle [10 ft (3 m) rod]: 15.5-20.5° (27.7-37.4%)

Drill rack angle [15 ft (4.6 m) rod]: 12.5-17.5° (22.2-31.5%)

FLUID CAPACITIES

Fuel tank: 44 gal (166.6 L)

Antifreeze tank capacity: 1.6 gal (6 L)

DRILLING FLUID SYSTEM

Max flow: 70 gpm (265 L/min)

Max pressure: 1,100 psi (7.6 MPa)

FEATURES

Breakout system: Standard hydraulic vise

Drilling lights: Standard

Flow indicator: Standard

Stakedown system: Standard

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE OPTION ONE

Type: Firestick® drill rod

Length: 10 ft (3 m)

Rod diameter: 2.38 in (6 cm)

Weight: 80 lb (36.3 kg)

Bend radius: 108 ft (32.9 m)

Carrying capacity: 500 ft (152.4 m)

DRILL PIPE OPTION TWO

Type: Firestick drill rod

Length: 10 ft (3 m)

Rod diameter: 2.63 in (6.7 cm)

Weight: 131 lb (59.4 kg)

Bend radius: 145 ft (44.2 m)

Carrying capacity: 450 ft (137.2 m)

DRILL PIPE OPTION THREE

Type: Firestick drill rod

Length: 15 ft (4.6 m)

Rod diameter: 2.63 in (6.7 cm)

Weight: 165 lb (74.9 kg)

Bend radius: 145 ft (44.2 m)

Carrying capacity: 525 ft (160 m)

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