

D24x40 S3 NAVIGATOR[®]

HORIZONTAL DIRECTIONAL DRILL



WHEN THERE'S A JOB TO BE DONE. With 28,000 lb (124.6 kN) of thrust/pullback and 4,200 ft-lb (5694.4 Nm) of rotational torque, the D24x40 S3 offers an increase over its predecessor, helping to maximize machine and jobsite productivity.



TOP OF ITS CLASS. With a class-leading carriage speed of 240 fpm (73.2 m/min) — more than 20% faster than its closest competitor — the D24x40 S3 helps contractors install more linear feet per day.



INSTALL PRODUCT FASTER. The D24x40 S3 features a 270 rpm rotational speed that rivals larger drills and outpaces competitive models by 18% — helping contractors complete jobs faster.



SIGNIFICANT SOUND REDUCTION. With a 104 dB(A) guaranteed sound power level and an operator ear rating of 82.9 dB(A), as well as an in-cab operator ear rating of 75.7 dB(A), the D24x40 S3 contributes to a quieter working environment, creating less neighborhood disturbance and enabling easier communication among the crew.



COMFORTABLE CAB. The excavator-style cab offers 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

Minimum transport length: 20 ft (6.1 m)

Minimum transport width: 7.4 ft (2.26 m)

Minimum transport height: 6.3 ft (1.93 m)

Height (with cab): 8.5 ft (2.6 m)

Minimum weight: 20,700 lb (9,389.3 kg)

Maximum weight: 22,250 lb (10,092.4 kg)

ENGINE OPTION ONE

Make and model: John Deere® Series 4045

Fuel type: Ultra low sulfur diesel

Maximum engine rpm: 2400 rpm

Gross horsepower: 125 hp (93 kW)

Emissions rating: Tier 4 Final (EU Stage V)

ENGINE OPTION TWO

Make and model: John Deere Series 4045

Fuel type: Diesel

Maximum engine rpm: 2,400 rpm

Gross horsepower: 125 hp (93 kW)

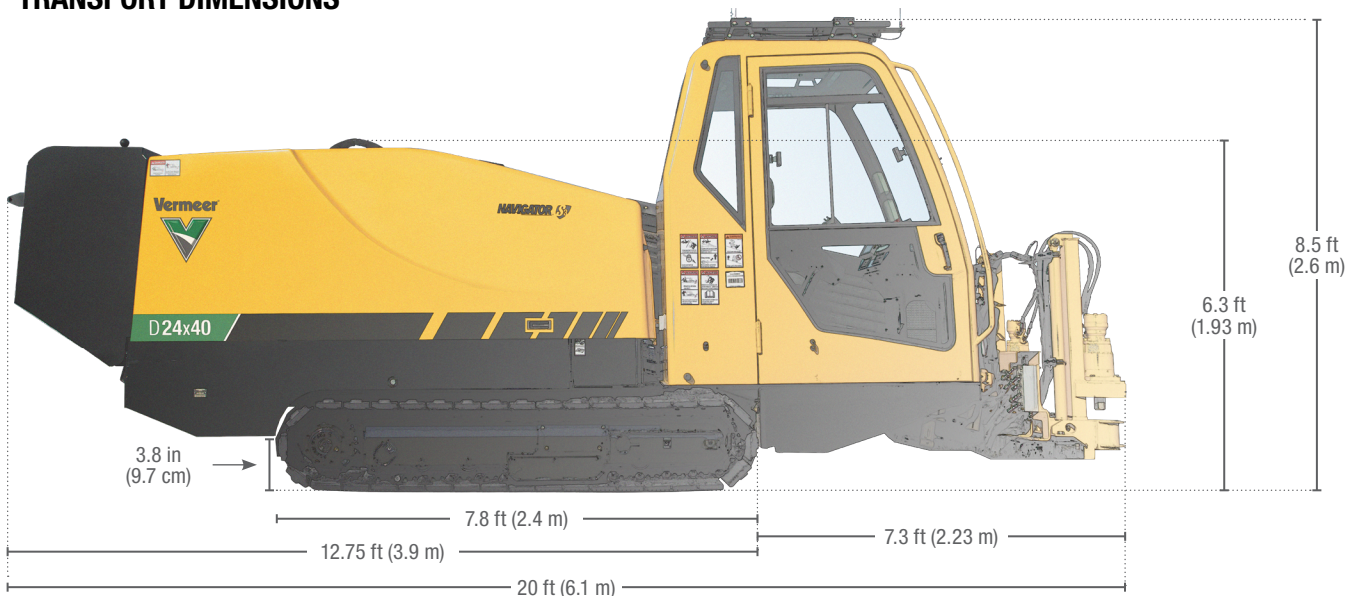
Emissions rating: Tier 3 (EU Stage IIIA)

DRILLING FLUID SYSTEM

Maximum flow: 50 gpm (189.3 L/min)

Maximum pressure: 1,050 psi (7.2 MPa)

TRANSPORT DIMENSIONS



OPERATIONAL

Thrust/Pullback: 28,000 lb (124.6 kN)

Maximum carriage speed at maximum engine rpm:
240 fpm (73.2 m/min)

Maximum spindle torque (low at maximum engine rpm):
4,200 ft-lb (5,694.4 Nm)

Maximum spindle speed at maximum engine rpm: 270 rpm

Minimum bore diameter: 4 in (10.2 cm)

Maximum ground drive speed at maximum engine rpm (forward):
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: 14–21° (24.9–38.4%)

FEATURES

Breakout system: Standard hydraulic vise

Drilling lights: Standard

Flow indicator: Standard

Stakedown system: Standard

Cab: Optional

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE

Type: Firestick® drill rod

Length: 10 ft (3 m)

Rod diameter: 2.38 in (6 cm)

Weight: 73 lb (33.1 kg)

Bend radius: 108.2 ft (33 m)