

# D500x500 NAVIGATOR<sup>®</sup>

## HORIZONTAL DIRECTIONAL DRILL



**DURABLE HYDRAULIC CIRCUIT.** Independent hydraulic circuits are an important factor in limiting contamination to the affected circuit and its respective components.



**STAY PRODUCTIVE.** Stay productive and efficient due to a hydraulic motor design which allows for full torque and rotary rpm simultaneously.



**WORK IN COMFORT.** Operator console designed for comfort and large windows for exceptional visibility.



**MASTER YOUR TERRAIN.** Conquer difficult ground conditions with a high-torque design.



**BY YOUR SIDE.** Our Parts Center has drive motors, rotation motors, gear boxes, pumps, valves, coolers and many other major components in stock and ready for delivery.



**STAY ON SCHEDULE.** A floating vise allows the breakout system to clamp the rod fully during breakout, helping to prevent wrap and keep your crew on schedule.

# D500x500 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

## DRILL RACK

Min transport length: 50.3' (15.3 m)

Width: 8.5' (2.6 m)

Min transport height: 11.5' (3.5 m)

Weight: 84,800 lb (38,464.6 kg)

Suspension: Dual axle with air ride suspension

Front base anchor length: 20' (6.1 m)

Front base anchor width: 6' (1.8 m)

Front base anchor height: 38.4" (97.5 cm)

Front small anchor length: 10.5' (3.2 m)

Front small anchor width: 5.5' (1.7 m)

Front small anchor height: 22.8" (57.9 cm)

Rear base anchor length: 16' (4.9 m)

Rear base anchor width: 7.8' (2.4 m)

Rear base anchor height: 15.6" (39.6 cm)

Drill rack angle: 10° - 15° (17.5% - 26.2%)

## DRILLER'S CABIN

Length: 11.6' (3.5 m)

Width: 7.9' (2.4 m)

Height: 8' (2.4 m)

Weight: 7800 lb (3538 kg)

Heat and air conditioning: 3 ton (10.6 kW) in-wall combination unit

## POWER PACK

Length: 24.4' (7.4 m)

Width: 8.1' (2.5 m)

Height: 10.3' (3.1 m)

Weight: 38,000 lb (17,236.5 kg)

Make and model: (1) CAT C-27 ACERT

Fuel type: Diesel

Fuel capacity: 500 gal (1892.7 L)

Hydraulic tank capacity: 720 gal (2725.5 L)

Max engine rpm: 2000 rpm

Gross horsepower: 800 hp (597 kW)

EPA certification family: Tier 3 (EU Stage IIIA)

## OPERATIONAL

Thrust/Pullback: 493,000 lb (2193 kN)

Max spindle torque: 52,900 ft-lb (71,722.8 Nm)

Max spindle speed at max engine rpm (with PS800): 73 rpm

Max carriage speed at max engine rpm: 71 fpm (21.6 m/min)

Number of rotation motors: 1

Number of drive motors: 2

Mud swivel: 3" (7.6 cm)

## LOWER BREAKOUT VISE

Breakout torque: 147,500 ft-lb (199,983.1 Nm)

Configuration: 3-jaw clamp, 8" (20.3 cm)

Weight: 3800 lb (1723.7 kg)

Travel: 6' (1.8 m)

Inside diameter: 10" (25.4 cm)

## UPPER BREAKOUT VISE

Clamp force: 176,000 lb (782.8 kN)

Configuration: 2-jaw clamp

Inside diameter: 10" (25.4 cm)

## SAFETY

Remote lockout: Yes

Strike alert: Yes

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EQUIPPED TO  
DO MORE.