

Earth Pro[™]
Solid

ASTECC

DD-2024

HORIZONTAL
DIRECTIONAL DRILL



BREAKTHROUGH SOLUTIONS

DD-2024 HORIZONTAL DIRECTIONAL DRILL



- **20,000 lbs (9.07 Tonnes) maximum thrust/pullback**
- **2,400 ft-lb (3,354 Nm) rotary torque**
- **Quad rack and pinion carriage drive**
- **“Cruise control” capability**
- **Carries 400 ft (122 m) of drill pipe**
- **Single multi-function joystick controls**
- **Quick, easy set up**
- **LCD multi-function operational screen**
- **Two-speed floating carriage**

ENGINE

- Cummins B3.3 turbo diesel
- 83 hp (61.89 Kw) @ 2200 RPM
- Fuel capacity 30 U.S gallons (113 L) (Eight-hour operating capacity)
- Hydraulic capacity 25 U.S. gallons (114L)
- Drive system: one hydrostatic pump and one load sensing pump

ROTARY DRIVE

Rotary system Pinion and gear drive, infinitely variable torque
 Rotary (high torque) 2,400 ft-lb (3,354 Nm)
 Maximum rotary speed 200 rpm

CARRIAGE DRIVE

Maximum thrust/pullback 20,000 lbs (9.07 Tonnes)
 Carriage system Rack and pinion, quad drive
 Carriage speed Up to 120 ft/min (36.6 m/min)
 Thrust frame Welded, double-sided, heavy-duty rack

DRILLING UNIT

Travel system Self-propelled on rubber tracks
 Flat surface speed Up to 1.8 mph (2.9 km/h) forward and reverse
 Track material Rubber
 Drill angle Single pivot, maximum 16 degrees/27% grade
 Wrench/clamp Open-top, vise type
 Hold-down system Two powered hydraulic augers in foot and independent rear stabilizers.
 Other features Multi-function LCD display and 25-ft tethered tram control

DRILLING FLUID PUMP

Onboard mud pump Triplex pump
 Output 0-30 gpm (113.6 L/m)
 Maximum pressure 1,500 psi (103.4 bar)

PIPE LOADER

State-of-the-art rod loader uses 10-ft (3.05 m) stem. Onboard pipe capacity is 400 ft (122 m).

DRILL PIPE (OPTIONAL)

Length 10 ft (3.05 m)
 Outside diameter (tube) 2.06 in (52.3 mm)
 Tool joint O.D. 2.25 in (57.2 mm)
 Fluid course625 in (15.88 mm)

PROTECTIVE EQUIPMENT

A Zap-Alert System is standard equipment. Emergency shut down switch at driller’s console and tram control. The ES!LOK® exit-side lockout system is standard equipment.

APPROXIMATE WEIGHT AND DIMENSIONS

Approximate operating weight — including 400 ft (122 m) of pipe 9,000 lbs (4,081.33 kg)
 Width tracks: 51.5 in (1.30 m)
 Height 74 in (1.88 m) @ exhaust stack during drilling
 Length 207 in (5.25 m)

IMPORTANT: Astec Underground reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for world-wide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Astec dealer/distributor will be able to give you details of the products and their specifications available in your area.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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9600 CORPORATE PARK DR • LOUDON, TN 37774 USA • 800.527.6020 FAX 865.458.8575 • astecunderground.com

