

American Augers DD-440 Specifications

Engine

Engine Two (2) 365 HP (272.2 kW)
Caterpillar® C-10 aftercooled diesel engines
Rating 730 Total HP (544.4 kW) continuous duty
Fuel capacity 300 U.S. gallons (1135 L)

Rotary Drive

Rotary system Pinion and gear drive
Infinitely variable torque
Rotary (high torque) 53,000 ft-lb (72,000 Nm) @ 0-43 rpm
Rotary (low torque) 25,500 ft-lb (34,700 Nm) @ 0-80 rpm
Max. rotary speed 80 rpm

Other Features

Rear mounted mud swivel, 4" (102 mm) internal diameter, rotary drive brake, slip sub, digital tachometer, wireline commutator, adjustable torque limiter. Spindle thread: 6-5/8 API FH . Customer specifies pipe connection thread adapter. Wiggle Steer™. is standard. ROOTS (Run-On-One Technology System) allows drill to operate on individual or dual engines, depending on jobsite needs.

Carriage Drive

Max. thrust/pullback 440,000 lb (200 metric tons)
Carriage system Rack and pinion, two pinion drive, with adjustable force limiter
Max. carriage speed 110 ft (33.5 m)/min

Drill Pipe

Length Range 2 (to 34 ft) 10,360 mm

Tooling

American Augers supplies a full range of dirt and rock bits, tri-cones, sonde housings, swivels, cutters, hole openers and reamers developed from making thousands of feet of bores.

Drill Rig

Wrench/clamp Three jaw type, 12" (305 mm) separation.
Wrench can travel full length of rack
Max. breakout torque 54,000 ft-lb (209,400 Nm)
Max. makeup torque 101,700 ft-lb (138,312 Nm)
Clamp grip range 2-3/4 - 10-3/4" (70-273 mm) outside diameter
Drill angle 10—18° Weight 93,000 lb (42,222 kg) trailer mount
86,000 lb (39,044 kg) w/o wrenches
Hold down stakes H-beam type

Protective Equipment

Each drill comes with safety mats and electrical grounding rods. A Zap-Alert system is standard equipment. Emergency shut down switch at driller's console and at remote control console. Carriage over ride switch disables carriage during wireline hookup, maintenance, etc. The es!ok® exit side lockout system is standard equipment.

Trailer

Triaxle trailer with air ride suspension, fifth wheel hitch.

Driller's Cabin (option)

With heat and air conditioning, power distribution panel with circuit breakers, surveyor's table. Exterior steel siding. Insulation 3-1/2" in walls. Extra large windows with vandalism shields. Lifting eyes for job site mobility. Cabin size: 7 ft 9 in wide x 10 ft 10 in long x 8 ft 6 in high (2.5 x 3.3 x 2.6 m). Approx. shipping weight: 6,000 lb. (2,725 kg).



Contact Your Local American Augers Dealer



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