

Since 1947

B60



Mobile Drill Intl



The B60 is a mechanically driven drill rig with an automatic transmission and torque converter for big jobs. The B60 has applications in geotechnical, environmental and mineral exploration. It easily handles hollow stem and continuous flight auger drilling, along with rotary and diamond core drilling. The B60 is sized for mounting on a variety of carriers to provide go-anywhere versatility and is powered either from a Cummins or Deutz Diesel deck mounted engine.

The B60 has a high speed rotary option with a maximum 900 rpm [94.25 rad/s] and 17,000 ft-lbs [23,048.9 Nm] of torque as well as a high torque option with a maximum 478 rpm [50.06 rad/s] and 24,735 ft-lbs [33,536.2 Nm] of torque.

Over 60 years of performance and reliability.

www.mobiledrill.net



B60 Performance Specifications

Hydraulic Feed System

Pulldown force: 23,300 lbs [10,568.7 kg]
Retract force: 35,300 lbs [16,011.8 kg]
Feed speed, down: 61 ft/min [18.59 m/min]
Feed speed, retract: 40 ft/min [12.19 m/min]
Feed stroke: 6 ft [1.83 m]

Power Unit

Deck engines: Cummins, Deutz Diesel

Hydraulic Pumps

Primary pump: 24 gpm [90.85 l/min]
Auxiliary pump: 24 gpm [90.85 l/min]

Drill Head Rotary

4-speeds
Open bore: 4-3/4 in [120.65 mm]
High Speed Option: Maximum rotary speed: 900 rpm [94.25 rad/s]
Torque: 17,000 ft-lbs [23,048.9 Nm]
High Torque Option: Maximum rotary speed: 478 rpm [50.06 rad/s]
Torque: 24,735 ft-lbs [33,536.2 Nm]

Estimated Operating Capacities

Hollow stem augers, 4-1/4 in [108 mm] ID: 350 ft [106.68 m]
Continuous flight auger, 6 in [152.4 mm] OD: 450 ft [137.16 m]
Rotary drilling, 2-5/8 in [66.68 mm] OD drill pipe:
1,550 ft [472.4 m]
Diamond core drilling, NQ: 2,350 ft [716.28 m]

Note: Above drilling capacities may vary according to subsurface conditions and rotary head option.

SPT Automatic Hammer

ASTM D-1586 standards, standard duty and heavy duty
140 lb [63.5 kg], 170 lb [77.1 kg], 300 lb [136.1 kg],
340 lb [154.2 kg] slugs available
Hydraulic compensated
Self compensating optional

Leveling Jacks

Single front/dual rear, 24 in [609.6 mm] or
36 in [914.4 mm] stroke

Weight

Minimum: 11,200 lbs [5,080.2 kg]

Hoist

Main—Single line capacity: 12,000 lbs [5,443.1 kg]
Line speed: 52 fpm [15.85 mpm]
Cable diameter: 5/8 in (.625) [15.88 mm]
Cable length: 100 ft [30.48 m] standard
Main—Single line capacity: 8,500 lbs [3,855.54 kg]
Line speed: 0–75 fpm [0–22.86 mpm]
0–325 fpm [0–99.06 mpm] reverse
Cable diameter: 1/2 in (.500) [12.7 mm]
Cable length: 100 ft [30.48 m] standard
Auxiliary—Single line capacity: 4,500 lbs [2,041.17 kg]
Line speed: 0–135 fpm [41.15 mpm]
Cable diameter: 5/16 in (.3125) [8.26 mm]
Cable length: 100 ft [30.48 m] standard
Safe-T Driver—Single line capacity: 900 lbs [408.23 kg]
Line speed: variable up, freefall down
Cable diameter: 1/4 in (.250) [6.35 mm]
Cable length: 300 ft [91.44 m] standard
Wireline—Single line capacity: 1,200 lbs [544.3 kg]
Line speed: 0–500 fpm [0–152.4 mpm]
Cable diameter: 3/16 in (.1875) [4.7 mm]
Cable length: 400 ft [121.92 m] standard
Winch capacity: 3,500 ft [1,066.8 m] cable

Optional Equipment

Mast: 26 ft [7.92 m] or 30 ft [9.14 m]
In-out slide base/Side-to-side slide base
Above deck combination auger/rod rack
Auger racks under body swing out
Rod trough
Toolboxes
Water tanks 100-500 gal [37.5 l–1,892.5 l] stainless steel
Top mount water swivel
Standpipe
Water pumps
Hydraulic rod chuck
Break-out wrench
Drive tool quick change adapters
Rod clamp system
Driller platform

Mounting Options

Truck, trailer, rubber track carrier

