

B-59 Drilling Rig

Environmental
Geotechnical



Rotary Drive System

Rotary Torque	13,500 ft/lbs	(18,319 Nm)
Rotary Speed Low Range	0-95 rpm	(1st Gear)
	0-218 rpm	(2nd Gear)
	0-403 rpm	(3rd Gear)
Rotary Speed High Range	0-152 rpm	(1st Gear)
	0-346 rpm	(2nd Gear)
	0-700 rpm	(3rd Gear)
Open Bore	4-3/4"	(121 mm)

Power Sources

4BT 3.9 or 6BT 5.9 Cummins Diesel, deck-mounted, water-cooled

Hydraulic Feed System

Pulldown Force	20,000 lbs	(9,072 Kg)
Retract Force (standard)	28,500 lbs	(12,928 Kg)
Rate of Feed	61 ft/min	(18.6 m/min)
Rate of Retract	119 ft/min	(36.3 m/min)
Feed Stroke (standard)	68"	(1.73 m)

Estimated Operating Capacities

Hollow Stem Auger/SPT with 4-1/4" (108 mm) ID HSA	250 ft	(76.2 m)
Rotary Drill with 4-1/2" (114 mm) OD Drill Pipe	1,000 ft	(304.8 m)
Diamond Coring with NQ	1,200 ft	(365 m)
Reverse Circulation with 4-1/2" (114 mm) CIP Drill Pipe	750 ft	(228.4 m)

Truck Recommendations

Single/Tandem Axle Truck

FOREMOST **Mobile**

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Available Options and Accessories

- 26 ft or 30 ft mast
- Main hoist - 8,500 lbs or 12,000 lbs
- SAFE-T-DRIVER®
- Auxiliary hoists
- Moyno, Mission, Gardner-Denver and John Bean water/mud pumps models available
- Custom-built body fabrication
- Utility air compressor for powering air hand tools
- Top mount water swivel for air/mud rotary
- Mast standpipe for plumbing from pump/air compressor to swivel
- Driller/helper step platforms
- In/out and side-to-side slidebases to keep rig and tools plumb at all times
- 36" front/rear leveling jacks
- Locking tool boxes
- Underdeck drill rod storage rack
- Foremost Mobile's exclusive manually hinged or hydraulic auger racks
- Hydraulic break-out wrench
- Hydraulic power rod clamp slides hydraulically to follow in/out and sideways slidebase
- SPT Automatic Hammer - the only self-compensating hammer available with 140 lb, 170 lb, 300 lb or 340 lb slugs
- Hydraulic oil cooler
- Hydraulic rod chuck
- Combo tool box/stainless steel water tank
- Geotechnical Applications - Quick change adapter with quill rod connects top mount swivel to applicable drill rod for rotary and coring
- Environmental Applications - Gimbal coupling for 3¼" ID to 12¼" ID HSA augers - for open spindle sampling with the Foremost Mobile in-hole hammer



The B-59 driveline is the heart of this rig's exceptional performance. The fully-reversing Clark power shift transmission is equipped with 3 speeds forward and reverse. Combined with our field-proven 2-speed right angle drive, the B-59 delivers a total of 6 speeds to efficiently address all types of drilling conditions.



Attention to safety is evident by the driveline brake and LIFELINE® safety rotation shut-off. The driveline brake stops rotation instantly when the LIFELINE® is tripped - a tug of a cable shuts off the drill.

The ergonomic design of the B-59 control panel features total fingertip control for maximum feel. All controls are at the optimum position for operator comfort and speed. All high-pressure hydraulic pilot controls are thoughtfully located in readily accessible areas on the machine for ease of maintenance.



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FOREMOST Mobile

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Unless otherwise stated, specifications are for a standard unit and are subject to change without notice. Performance specifications are theoretical maximums and do not include mechanical or other efficiency losses. Actual performance may vary.