

■ Proven Design

■ Proven Performance

■ Strong / Rugged /
Dependable

Maximum torque of 5,000 ft/lbs. (691 kg/m) and angle drilling at 45° add up to greater flexibility for hard-to-reach areas and under-the-tank drilling - power and adaptability that translate into increased production with less downtime.

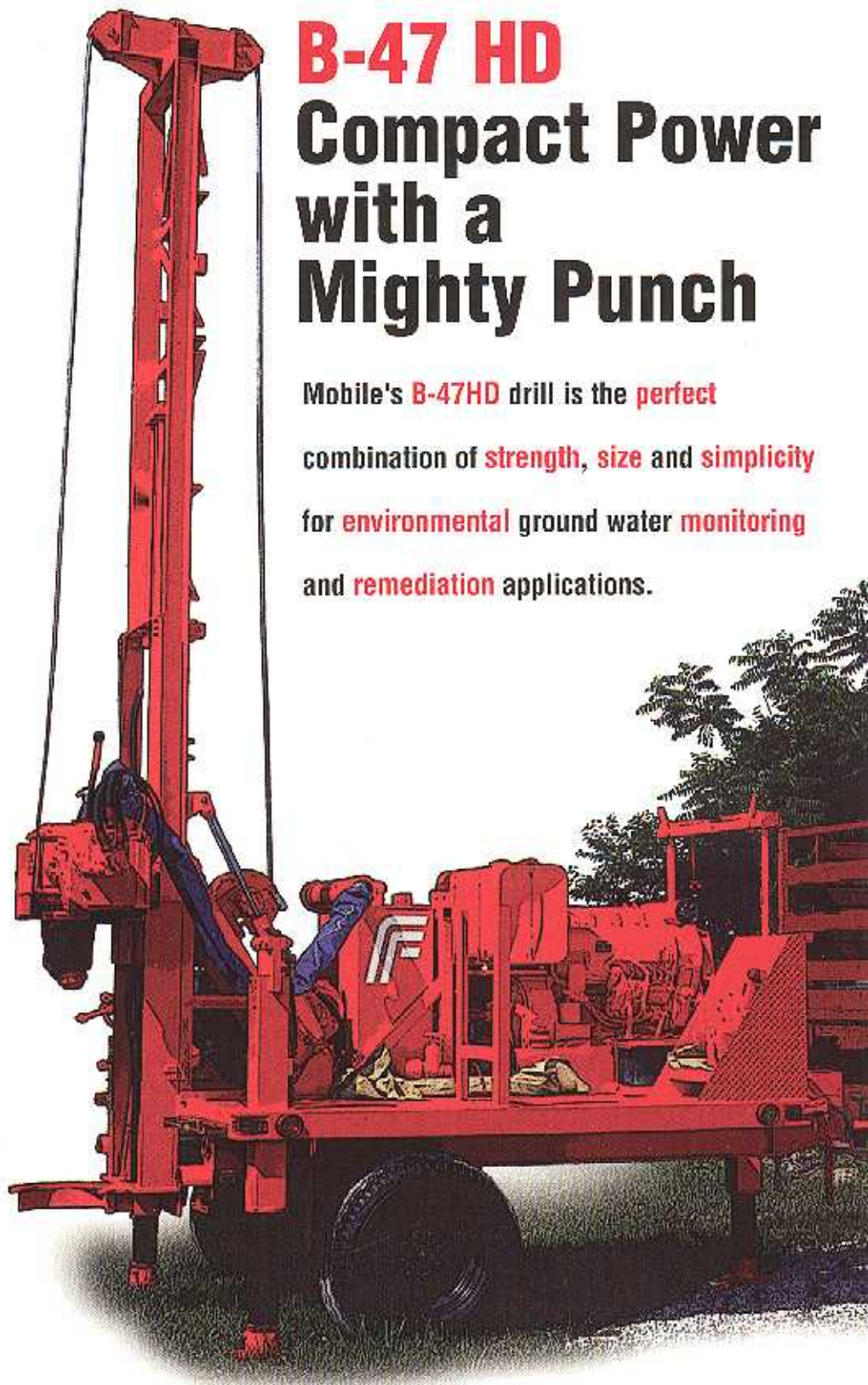
Versatile enough to fit a wide range of carriers, the B-47HD can be mounted on trucks, tracked vehicles, with PTO from the carrier's power source, or with a separate engine drive. Mobile manufactures an 8,000 lb. (3,628 kg) single axle trailer especially for the B-47HD. The trailer is equipped with a 5 ft. (1.5 m) auger/rod rack, watertight tool compartment, ICC lights and reflectors, two 12:00 x 16.5 10-ply rated tires, 12-1/4 x 3-3/8" (311 mm x 86 mm) 12 volt electric brakes, breakaway switch, 3" (76 mm) I.D. swivel pintle hook and brake controller. The total weight of the trailer is 1,800 lb.. (816 kg) with rear or front-mounted hydraulic jacks available as an option.

The B-47HD is also equipped with a hydraulic rotary drive which reduces wear and tear on the drill and accommodates large hollow stem augers to drill 2" and 5" (50 mm and 100 mm) monitoring and remediation wells. Mobile Drill uses a rotary drive with a hollow spindle I.D. of 4-5/8" (117 mm) for large diameter continuous sampling and use of the in-hole hammer through the spindle.

Foremost Drills/Mobile Drilling Company, Inc.

B-47 HD Compact Power with a Mighty Punch

Mobile's B-47HD drill is the perfect combination of strength, size and simplicity for environmental ground water monitoring and remediation applications.



FOREMOST Mobile

B-47 HD

When not sampling through the spindle, the Mobile designed SLIDRAMATIC provides immediate access to the hole without altering ground-to-sheave alignment. Our unique lateral shift rotary table lets the operator hydraulically move the rotary head a full 15-1/2' (394 mm) to one side.

A coring feed regulator installed in the feed circuit allows infinite adjustment of down feed speed and pressure.

Mobile offers standard angle drilling for use around buried tanks and other objects. The B-47HD gives the driller up to 45° of maneuverability. Two levers disconnect the mast from the feed frame allowing the mast to be raised independently of the feed system providing additional flexibility in low overhead situations. Mobile's exclusive fold-over feed frame permits low overhead clearance in the travel position.

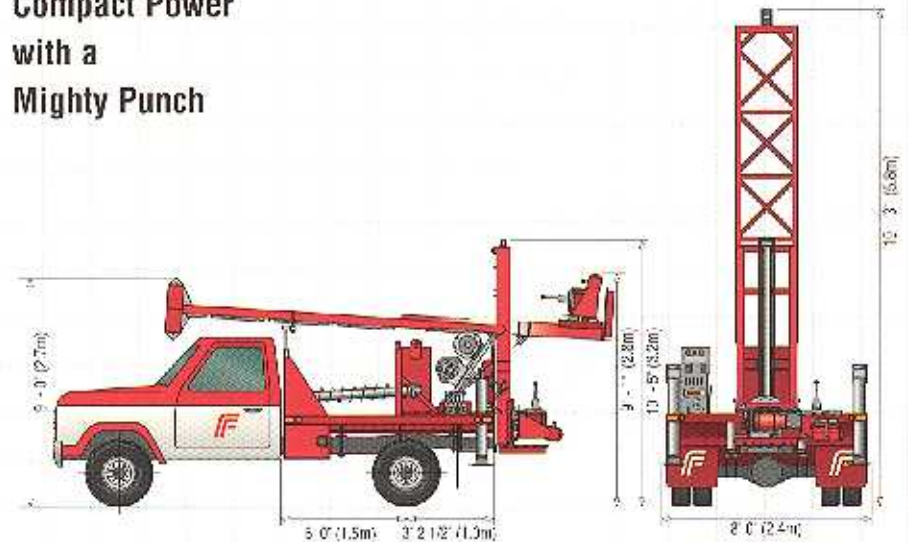
Mobile's exclusive transfer case or transmission-mounted PTO assemblies reduce total weight, allow more deck space, reduce maintenance and save on additional costs of a deck-mounted power source. When PTO power is not desired, both gas and diesel engines are available.

Exclusive Safety Awareness

Mobile Drilling actively promotes worker safety. Our exclusive LIFELINE® emergency shutdown system, a 15' (381 mm) trip wire located at the right and left rear of the drill rig, shuts the rotation off instantly.

A mast alarm helps to alert the operator that overhead obstructions and high-voltage electrical power lines are a constant danger and must be clearly avoided when raising and lowering the mast.

Compact Power with a Mighty Punch



Available Options

MANUAL & HYDRAULIC ROD CHUCKS - Manual 4-jaw chuck accepts jaws for AW, BW, NW, NQ, 2-7/8" (73 mm). The hydraulic chuck accepts jaws for AW through 3-1/2" (89 mm). The manual rod chuck mounts to the bottom of the rotary head spindle. The hydraulic rod chuck, with hood bushing and three jaw set, mounts on top of the rotary head.

SPT AUTOMATIC HAMMER - Mobile's SPT automatic hammer meets all requirements of ASTM-D-1586-84 Standard Penetration Test without weight of pressure on the drill string. Provides a consistent 140 lb. (63.5 kg) x 30 in (762 mm) blow at variable blow count ranges from 0-40 blows/minute.

SAFE-T-DRIVER HOIST - A Mobile exclusive, this hydraulic, bi-directional hoist is motor-driven through an over-running clutch for positive drive in hoisting the hammer and also allows the operator to deliver a 30 in (762 mm) free fall. Mobile's SAFE-T-DRIVER includes a brake lever mounted on the control panel as a safety feature and allows the SAFE-T-DRIVER to be used as a conventional hoist.

GIMBAL COUPLING - A heavy-duty, open-center universal auger coupling is used with Mobile's exclusive in-hole sampling hammer.

HYDRAULIC BREAKOUT WRENCH - Hydraulically actuated and powered by the hydraulic cylinder mounted under right rear of the body fabrication. It includes cable and wrench.

Operational Capacities

Hollow stem auger/soil sampling	135 ft (41 m)
Auger drilling	150 ft (46 m)
Rotary drilling	200 ft (61 m)
Diamond core drilling	250 ft (76 m)

Hydraulic Feed System

Retract force	14,100 lb (6,395 kg)
Pulldown force	10,600 lb (4,808 kg)
Rate of free feed (max)	70 fpm (21m/min)
Rate of free retract (max)	52 fpm (16m/min)
Cylinder stroke	68 in (1,727 mm)

Rotary Drive System

Rotary torque (max)	5,000 ft/lbs (6,780 Nm)
Rotary speed (max)	365 rpm (38.2 rad/s)

For more information about the B-47, please call or write us.

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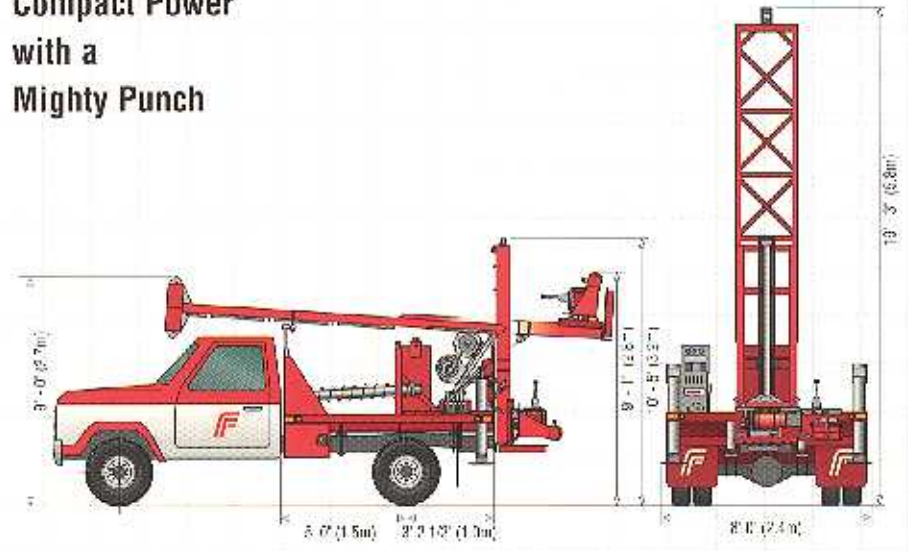
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