



LITTLE BEAVER®
EARTH DRILLS & AUGERS

BIG BEAVER AUGER DRILL RIG





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THE BIG BEAVER

The Big Beaver is a precision drilling tool that packs powerful drilling capabilities in a compact, highly maneuverable design. It can go where some units simply can't, and one man can move and operate it efficiently and safely. It's the ideal solution for soil sampling, foundation repair, geotechnical and drilling environmental test wells.

The Big Beaver is mounted on a welded mechanical steel frame for maximum strength and durability. With its hydraulic power source and 2,500 pounds of lifting capacity, it's the most powerful drill we make. We designed it for quick and easy change outs of sampling tools and augers that can drill holes up to 16 inches in diameter, as well as extensions that can drill to depths of 100 feet. And, like all Little Beaver one-man earth drills, it features the patented torque tube that absorbs dangerous kickback to protect operators.

Big Beaver drills come in standard and extra length models. The standard model handles augers up to four feet long, and the operator can use augers up to five feet long with the Big Beaver XL. Whichever one you choose, both are backed by our industry-leading, two-year warranty.



FEATURES AND BENEFITS



ENHANCED SAFETY

Minimize dangerous kickback with the steel torque tube, which transfers digging torque from the drill head to the engine carriage rather than to the operator.



ADDED CONVENIENCE

Add auger extensions or soil sampling tools quickly and efficiently with the swing-away drive head.



EXCEPTIONAL PORTABILITY

Move the Big Beaver with ease. Its smooth-riding pneumatic wheels make it simple for one person to move the equipment from project to project.



FLEXIBLE POSITIONING

Align the drill's mast to any position up to 15 degrees from vertical with the simple crank mechanism.

COMPACT DESIGN

Work in areas where mounted drills can't fit. With the 26-inch by 80-inch design, the Big Beaver fits through gates and doorways safely and easily and operates under eaves or inside structures without causing damage.

COMMERCIAL HYDRAULIC POWER SOURCE



The power behind our earth drills is our general-purpose hydraulic power source. It features an attaching point for the torque tube, an oil cooler with a 10-inch fan and a 5-gallon tank for dependable, all-day operation. You can secure the power source in the back of a truck or mount it on optional three- or four-wheeled carriages for greater in-the-field portability and maneuverability. It's a versatile, stable and easy-to-use alternative for Little Beaver drills and a broad range of hydraulic tools, including concrete saws, breakers, tampers and chain saws.

OPTIONAL KITS AND ACCESSORIES

SSK-1 KIT



Tackle environmental soil sampling and standard penetration tests (SPT) quickly and easily with the SSK-1 kit. The kit includes a hydraulic valve, a spool, tower kit and stabilizer legs. The stabilizer holds the drill in place and helps lift the 140-pound safety hammer that drives the sampler into the soil.

RUGGED D-SERIES AUGERS



Rugged D-series augers are available in 36-, 48- and 60-inch lengths with diameters ranging from 4 to 16 inches. The augers can be equipped with a standard point and blade, carbide blade or heavy-duty teeth. They also feature solid top construction and are fastened with a drive pin for a secure connection when drilling to deeper depths.

HOLLOW STEM AUGERS



Our ultra-light hollow stem augers are built for fast and easy uncontaminated soil sample collection. They are available in 6- and 8-inch diameters and can drill down to 32 feet.

EXTENSIONS



Go deeper with auger extensions that drill down to 32 feet (16-inch auger) or 100 feet (6-inch auger).

ENGINES



Both models can be equipped with a 20- or 24-hp Honda gas engine or with a 19-hp diesel engine. Each is supported by a 5-gallon fuel tank for dependable all-day operation.

BELLING TOOL



Create an under-reamed footing at the bottom of a foundation pier hole with the beelling tool, which provides solid support for the slab and prevents pier uplift.

AUGER FORK



When you're removing an auger from a hole, the auger fork securely holds the auger and extensions while they are not connected to the drill head.

LIFT RING



The lift ring on the auger adaptor makes quick work of pulling augers, eliminating the need for precise alignment.

SPLIT SPOON SAMPLER



When used with the Cathead Kit, the Split Spoon Sampler provides a 24-inch soil core sample.

SAFETY HAMMER



The 140-pound safety hammer drives the Split Spoon Sampler.



CONTACT US

www.littlebeaver.com

Little Beaver
2009 South Houston
Livingston, TX 77351

Phone: 800-227-7515
Email: sales@littlebeaver.com
Fax: 936-327-4025

BIG BEAVER SPECIFICATIONS

		BIG BEAVER	BIG BEAVER XL
CONSTRUCTION	FRAME	Welded Mechanical Steel Tubing	Welded Mechanical Steel Tubing
	MAST	1.5-inch Diameter Drive Screw and Structural Steel Angle	1.5-inch Diameter Drive Screw and Structural Steel Angle
	DRILLING ANGLE	Infinitely Adjustable 0-15° From Vertical	Infinitely Adjustable 0-15° From Vertical
	STABILIZER	Torque Tube	Torque Tube
HYDRAULICS	AUGER SPEED @ 10 GPM*	160 rpm	160 rpm
	AUGER SPEED @ 12 GPM*	190 rpm	190 rpm
	DRILLING TORQUE*	520 ft lbs*	520 ft lbs*
	MAX. DRILLING TORQUE	690 ft lbs*	690 ft lbs*
	RAISING CAPACITY	2500 lbs	2500 lbs
	HYDRAULIC VALVES	2	2
	DRIVE HEAD TRAVEL	60 inches	72 inches
	MAXIMUM AUGER SIZE	18 inches	18 inches
	MAXIMUM AUGER LENGTH	Up to 4 feet long	Up to 5 feet long
DIMENSIONS	HEIGHT	80 inches	92 inches
	LENGTH	48 inches	48 inches
	WIDTH	26 inches	26 inches
	SHIPPING WEIGHT	675 lbs	730 lbs

HYDRAULIC POWER SOURCE SPECIFICATIONS

		PS-20HC	PS-24HC	PS-19DHC	PS-19YDHC
ENGINE	BRAND / MODEL	Honda GX630	Honda GX660	Kohler KD425-2	Yanmar 3TNV74
	POWER @ 3600 RPM	20.8 hp net	21 hp net	18.8 hp max.	18.1 hp net
	FUEL TANK CAPACITY	5 US gal	5 US gal	5 US gal	5 US gal
	STARTING	Electric	Electric	Electric	Electric
	COOLING	Air	Air	Air	Liquid
HYDRAULICS	MAXIMUM FLOW	10 gpm	12 gpm	10 gpm	10 gpm
	HYDRAULIC PRESSURE	1500 to 3000 psi	1500 to 3000 psi	1500 to 3000 psi	1500 to 3000 psi
	RESERVOIR CAPACITY	5 US gal	5 US gal	5 US gal	5 US gal
	OIL COOLER W/ FAN	Standard	Standard	Standard	Standard
	HOURLY METER	Standard	Standard	Standard	Standard
	FORWARD / REVERSE	Standard	Standard	Standard	Standard
	RETURN FILTER	10 micron	10 micron	10 micron	10 micron
	INLET SUCTION STRAINER	100 US mesh	100 US mesh	100 US mesh	100 US mesh
	OIL LEVEL INDICATOR	Dipstick	Dipstick	Dipstick	Dipstick
SIZE WITH WHEEL KIT	LENGTH	54 in	54 in	54 in	63 in
	WIDTH	30 in	30 in	30 in	30 in
	HEIGHT	30 in	30 in	30 in	37 in
	DRY WEIGHT	310 lbs	310 lbs	400 lbs	630 lbs
SIZE WITHOUT WHEEL KIT	LENGTH	40 in	40 in	40 in	49 in
	WIDTH	25 in	25 in	25 in	25 in
	HEIGHT	25 in	25 in	25 in	32 in
	DRY WEIGHT	275 lbs	275 lbs	365 lbs	595 lbs