

*Introducing...*

# **The Kut-Kwick BrushMaster**



The Kut-Kwick BrushMaster (BM) series mower is designed for land developers for the preparation of land for sale and for foresters in the management of woodlands, and tree farms. The BrushMaster is capable of removing and mulching brush and trees to 3 1/2" in diameter.



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# The BrushMaster

## BM80-88D

# kut-kwick

BM-0199

### STANDARD SPECIFICATIONS:

**Tractor:** Industrial brushcutting/mower, riding 88" cut, rear discharge, outfront rotary, standard with three  $\frac{3}{8}$ " thick flat blades, self-propelled and steered through twin, closed loop hydraulic systems, independently powering 38 x 18.00-20 drive wheels, 80 HP diesel engine. Operator seated at the rear extremity of the machine for safety. Caster type cutter with 19" x 6" puncture proof casters, 4" through 10" height adjustment, decked with  $\frac{1}{4}$ " thick steel, supports the chassis from the front while pivoting to the sides to follow the contour of the ground. Standard with 4 point ROPS.

### OTHER STANDARD DESIGN FEATURES:

**Operator Safety Switch** — Must be attached to the operator so that when pulled it functions as an emergency brake and safety switch. It cuts off and dynamically brakes the machine should the operator separate himself from the machine for any reason.

**Hydraulics** — Twin, closed loop hydraulic systems including hydraulic pumps and wheel motors coupled to planetary gearboxes, powering the forward or reverse rotation of the wheels. The two systems are supplied with hydraulic oil from a 52 gallon reservoir through a 10 micron filter system with a total system capacity of 55 gallons.

**Steering** — Each hydraulic drive system is independently controlled through a hand-activated directional control lever for direct drive wheel steering. The hand levers are individually advanced to rotate the wheels forward or are retarded from the neutral position to reverse the machine. One drive wheel can be rotated forward while the other wheel is reversed to turn the machine in less than its length. (A true "0" turning radius.)

**Operational Braking** — When the hand controls return toward the neutral position, the machine is hydraulically braked. When in neutral, the machine's

movement is braked whether or not the engine is running. When released, the spring-loaded handles automatically return to the neutral position, braking the machine. The automatic return to neutral with automatic braking is a major safety feature.

**Parking Brake** — Automotive disc type parking brakes are located on the two drive wheel assemblies. They are actuated simultaneously through a foot pedal.

**Freewheeling Device** — Disengages the planetary gearboxes by reversing the caps located on the outside face of each gearbox. When towing, use only a rigid towbar.

**Wheels** — Drive: 38 x 18.00-20, 8 ply rating tractor tread tires for best traction in rough or wet conditions. Caster: 19" x 6" puncture proof.

**Cutter Deck Drive** — The cutter deck drive is a specially designed and highly efficient hydraulic drive system with a pump driven directly by the engine (no belts) which gives maximum efficiency of operation while minimizing maintenance requirements. The system includes three hydraulic motors, one for each blade.

**Cutter Assembly** — Extra heavy duty, rear discharge type equipped with three,  $\frac{3}{8}$ " x 4" x 31" hardened alloy steel blades. The blades are mounted on  $1\frac{1}{2}$ " diameter, steel shafts, each supported by two precision ball bearings enclosed in a heavy, machined housing. Each spindle is independently hydraulically driven.

**Engine** — 80 HP industrial, cast iron, overhead cam, water-cooled diesel engine.

**Air Filter** — A special multi-stage engine air filter. Dust and dirt are removed centrifugally and deposited in a dust cup. A replaceable element removes finer particulate. The filter reduces maintenance, assuring longer engine life.

**Controls** — For safety and convenience, all the controls are ergonomically located. The propulsion levers are located on either side of the operator, the throttle, engine gauge and ignition switch are located on the dash panel immediately in front of the operator with the blade engagement controls on the right panel.

### PERFORMANCE DATA AND CAPACITIES:

**Fuel System** — 28 gallon capacity.

**Oil System** — The BM is designed to use one oil in the engine and hydraulic systems. (Chevron Delo 30 wt. or equivalent.)

**Cutting Height** — adjustable 4" through 10".

**Fuel Consumption** — 1.056 gallons per hour normal usage; 1.760 gallons per hour in full cut continuous usage.

**Ready to Operate** — The mower has been operationally tested, is shipped fully assembled.

**Brush Cutting** — To  $3\frac{1}{2}$ " diameter.

**Size and Weight** — 93" overall width, standard machine 6,020 lbs.

### DESIGN CONSIDERATIONS, PATENTED:

This machine will remove brush and trees to  $3\frac{1}{2}$ " diameter from wooded areas. Leaves and limbs are mulched leaving an attractive managed appearance. Undesirable trees smaller than  $3\frac{1}{2}$ " diameter are removed. Developers - prepare land for sale. Foresters - manage and maintain woodlands and tree farms. No more burning, bulldozing or burying and no more herbicides. This machine is covered by one or more of the following patents and patents pending: (U.S.) 4,453,739; 4,515,337; 4,515,392; 4,700,536; 4,878,845; 4,876,846; 4,926,621; 6,138,444 (Foreign) 0,095,301; 0,262,285; 1,288,955; 1,316,355; 89109075.5

BEFORE

AFTER

