

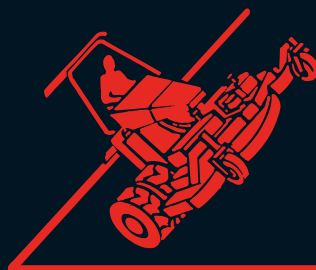
*Tough mowers...
from rough cut
to smooth finish.*



The MegaSlopeMaster[®]

MSM83-88D

The Kut Kwick MegaSlopeMaster (MSM) design allows for cutting slopes up to 35 degrees (40 degrees with dual drive tire option) while traversing and turning on the slope for efficiency and to prevent erosion. The power and design allow the machine to master steep grades, cutting an 88-inch path with rear discharge safety. Ease of operation and engineered safety permit new operators to develop proficiency with less than one hour of instruction.



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The MegaSlopeMaster

MSM83-88D

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STANDARD SPECIFICATIONS:

Tractor: Industrial mowing tractor, slope cutting to 35 degrees, (40 degrees with dual drive tire option), riding 88" cut, rear-discharge, out-front rotary, self propelled by a closed loop hydrostatic drive system, powering 38" x 18"-20" drive wheels, 83 HP turbo charged diesel engine. Operator seated at the rear extremity of the machine for safety. 1/4" plate steel mowing deck supports the chassis from the front while pivoting side to side to follow the contour of the ground. 4" through 10" cutter height adjustment. Standard with 4 point ROPS and 4 point harness.

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 shutdown.

Propulsion - Hand lever activated, closed loop hydraulic system including direct drive hydraulic pump with dual speed wheel motors coupled to planetary hubs, powering the forward or reverse rotation of the wheels. The system is 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 it's 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 - Each propulsion wheel is fitted with a "fail safe", hydraulically actuated brake that is released when the engine is started. This brake can be set through a valve when the engine is running for maintenance. The parking brake system incorporates an audio and visual alarm to alert the operator any time the brake is engaged with the engine running.

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

Wheels - Drive: 38"x18"-20", 8 ply rating tractor tread for best traction in rough or wet conditions. Caster: 19"x6" 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, 3/8"x4"x31" hardened alloy steel blades. The blades are mounted on 1 1/2" diameter steel shafts, each supported by two precision ball bearings enclosed in a heavy, machined housing. Each spindle is independently hydraulically driven.

Tilting Seat - The patented tilting mechanism allows the operator to tilt up to 30 degrees on slopes. It is necessary for the operator to maintain his seating while traversing and turning on steep slopes. The arm rests not only rest the operator but restrain and hold the operator in the seat during steep slope operation. The arm rests are individually pressed down to tilt the seat.

Engine - 83 HP turbo-charged 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 particles. 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:

Speed - 0 to 6 MPH (Low)
0 to 10 MPH (High)

Fuel System - Dual tanks, with 28 gallon total capacity.

Oil System - The MSM is designed to use the same type oil in both the engine and hydraulic systems, (Chevron Delo 400, 15W40 or equivalent.)

Cutting Height - Adjustable 4" through 10".

Fuel Consumption - 3.25 gallons per hour.

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

Size and Weight - 93"W, 162"L, 102"H, 6020 lbs.

Enclosed Cab - With air conditioner & heater optional.

Dual Drive Tires - For increased slopeability to 40 degrees.

DESIGN CONSIDERATIONS - PATENTS:

The MSM is specially designed for safety and performance in medium to rough mowing applications in flat areas as well as slopes not to exceed 40 degrees. Engineered features necessary for practical and safe operation on slopes include extra wide wheel base, a low center of gravity, tip-up protection, special cockpit and tilting suspension seat with restraining arms. The front cutting, rear-discharge cutter assembly rigidly supports the chassis from the front while pivoting to the side to contour with the turf. The rear-discharge cutter significantly reduces the hazard of thrown objects. The 52 gallon hydraulic reservoir is the central structural member of the machine, contributing to its low center of gravity, eliminates oil foaming and overheating. The engine is mounted in the center of the machine and is exposed to assure good cooling and ease of maintenance. The operator position is located at the rear extremity of the machine permitting the operator to continuously look forward in normal operation. Both the cutter assemblies and the propulsion system are designed so that the engine can only be started when the cutters are disengaged and the propulsion system is in neutral. This machine is covered by one or more of the following patents, or patents pending: (U.S.) 4,453,739; 4,515,337; 4,515,392; 4,7000,536; 4,878,845; 4,876,846; 4,926,621; (Foreign) 0,095,3010,262,285; 1,288,955; 1,316,355,89109075.5.



Optional enclosed cab includes A/C (Heat optional).

MSM83-88D shown with optional dual rear wheels allow for operation on 40° slopes.