

# **kut kwick corporation**

Heavy Duty Commercial Mowers

P. O. Box 984 Brunswick, GA 31521

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Manager Asset Recovery  
American Electric Power  
Via Fax No: 866-741-5105

Dear Sir:

The following is a photocopy of the specification sheet for the Kut Kwick Model SSM35-72DY.

If you have other questions, or need further assistance please don't hesitate to call.

Sincerely,  
Bert Cash  
Customer Service

*there are three (3) pages in this transmittal (including this cover letter)*

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



## The Super-SlopeMaster™

SSM 35-72D

DIESEL POWERED EXTRA HEAVY DUTY  
COMMERCIAL HYDRAULIC ROTARY MOWER

### 35 HP-Diesel

Exclusive patented design allows cutting on slopes up to 40° while traversing and turning on the slope for efficiency and to prevent erosion. Dual drive wheels master the steep grades, cutting a 72" swath 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 Super-SlopeMaster™

## SSM 35-72D (Diesel)

# KUT-KWICK

SSM-0196

### STANDARD SPECIFICATIONS:

**Mower:** Slope cutting to 40 degrees, riding 72" cut, rear discharge, outfront rotary, standard with three 3/8" thick flat blades, self-propelled and steered through twin, closed loop hydraulic systems, independently powering 12" x 12" dual drive wheels. 35 HP diesel engine. Tilting seat located at the rear extremity of the machine. Caster type cutter with 12" x 4" puncture proof casters, 1 1/2" to 6 1/2" height adjustment, decked with 1/4" thick steel, supports the chassis from the front while pivoting to the sides to cut the contour of the turf. Standard with roll bar.

### 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 geared hydraulic wheel motors, powering the forward or reverse rotation of the wheels. The two systems are supplied with hydraulic oil from a 14 gallon reservoir through a 10 micron filter system with a total system capacity of 16 gallons.

**Steering** — Each hydraulic drive system is independently controlled through hand-activated directional control levers 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 set of drive wheels can be rotated forward while the other set of drive wheels is reversed to turn the machine on slopes. The machine turns 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, allowing only moderate creep on slopes. 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 hand lever.

**Freewheeling Device** — To release the hydraulic lock, the "relief valve" stems beneath each of the outer two hydraulic pumps are unscrewed 1/2 turn allowing the machine to be moved up to 1 1/2 m.p.h. for maintenance.

**Tilting Seat with Restraining Arms** — Tilting as much as 30° is necessary for the operator to maintain his seating when traversing and turning on grades up to 40°.

**Wheels** — Special dual (2 sets) steel wheels with 26 x 12 - 12, 4-ply, tractor tread tires for best traction on slopes and in wet areas. A special heavy duty wheel and axle system accommodates the dual 12" wheels. The deck is supported by two front-mounted, caster-type, 12 x 4.00 - 6 solid "no-tat" tires for reduced maintenance.

**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 deck drive motor is a heavy duty unit which incorporates extra heavy bearings and housing. This drive system delivers maximum horsepower to the blades yet protects the components through the shock absorbing nature of a hydraulic system.

**Cutter Assembly** — Unique Kut-Kwick 1/4" thick "Clamshell", extra heavy duty, rear discharge type. Equipped with three 3/8" thick, 2 1/2" wide, heat-treated alloy steel flat blades for best performance when rough cutting where power and speed are more important than appearance. The blades are mounted on 1" diameter, hardened and ground alloy steel shafts, each supported by two precision ball bearings enclosed in a heavy, machined housing. The deck sides are built with skids to cross curbs and obstacles. (Patented.)

**Engine** — 35 HP Industrial, cast iron, overhead cam, water-cooled diesel engine specially modified for steep slope mowing.

**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 located immediately in front of the operator with a hand support bar in front of the controls. The throttle, engine warning lights, ignition switch and cutter engagement controls are located on the dash panel with the propulsion controls on either side. The parking brake lever is low and to the left of the dash panel.

### OPTIONS:

**Canopy** — For operator comfort, attaches to roll bar. (Factory or field installation.)

**Light Kit** — Attaches to roll bar. (Factory or field installation.) Rotary beacon available in lieu of flashing lights.

**Hour Meter** — For improved maintenance control. (Factory installation only.)

**Turf Tires** — (4 tires.) To minimize turf disruption where reduced traction and slope-ability is acceptable. (No-charge option.)

**Deluxe Engine Gauge Package** — Includes oil pressure, volt meter, water temperature, and matching hour meter. (Factory installed only.)

**Retracting Seat Belt** — Includes attachment bracket. (Factory or field installation.)

**Medium Lift Blades** — For general purpose mowing. (No-charge option.)

**High Lift Blades** — For best refined cut and end of season leaf mulching (no-charge option.)

### PERFORMANCE DATA AND CAPACITIES:

**Fuel System** — 17 gallon capacity.

**Oil System** — The SSM is designed to use one oil for the engine and hydraulic systems. (Chevron Delo 46 30 wt. or equivalent.)

**Cutting Height** — adjustable 1 1/2" through 6 1/2".

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

**Operates on Slopes** — To 40° at speeds variable to 5 m.p.h. Traverses and turns on slopes for efficiency and to prevent erosion.

**Curbing** — Backs over curbs with ease.

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

**Brush Cutting** — To 2 1/2" diameter.

**Size and Weight** — 86 1/2" overall width, standard machine 2,520 lbs.

### DESIGN CONSIDERATIONS, PATENTED:

A slope mowing machine designed to perform in rough and semi-refined conditions. Engineered features necessary for practical and safe operation on steep slopes include an extra-wide wheel base with dual wheels for stability and extra traction where sandy and low traction surfaces are a problem, extremely low center of gravity, tip-up protection, a special cockpit, and tilting 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 14 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 exposed to assure good cooling and ease of maintenance. The operator is seated low to the ground at the rear extremity of the machine to assure his safety should he separate himself from the machine for any reason. The rear seat position permits the operator to continuously look forward in normal operation. Both the cutter assembly and the propulsion system are designed so that the engine can only be started when the cutters are disengaged and when the propulsion system is in neutral. This machine is covered by one or more of the following patents and patents pending: 4,453,739; 4,515,337; 4,515,392; 4,700,536; 4,876,845; 4,876,846; 4,926,621. Specifications subject to change without prior notice.

