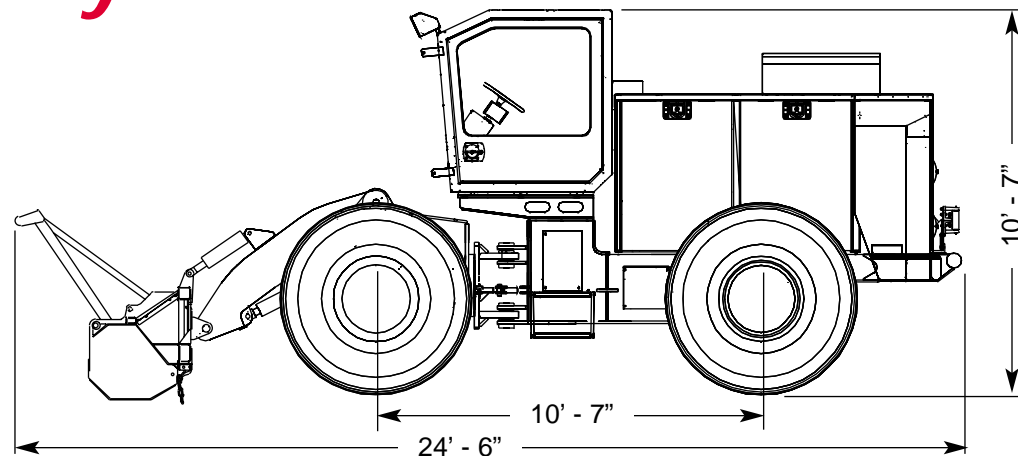


KlearWay 500

NOTE:
Width: 8' - 6" w/23.1 Tires
Width: 9' - 0" w/28L Tires
Height Shown Is With 23.1
Tires. Height With 28L26
Tires Is 10' - 9"



Description: The Klearway 500 is a rough terrain, rubber-tired vehicle with a front mounted rotary or shredder-type cutterhead designed to clear vegetation from utility right-of-ways, railroad right-of-ways and for site preparation.

Frame: Consists of welded construction front and rear main frames with structural tubing and fabricated side members. Front and rear frames are connected by an articulating joint allowing 15 degrees of up or down oscillation and 50 degrees right or left power steering action.

Weight: Approximately 26,000 lbs with standard 23.1 tires and rotary cutterhead. 28,000 w/shredder-type cutterhead.

Engine: Equipped with Caterpillar® C6.6 liquid cooled diesel engine rated for 202 bhp @ 2200 rpm. Engine equipped with exhaust muffler and large capacity cooling system.

Propel System: Hydrostatic 4-wheel drive with propel motor driving through a heavy-duty 2-speed powershift transmission.

Transmission and Axles: 2-speed shift-on-the-go transmission connected by heavy-duty Dana-Spicer 1550 drive shafts to both axles. Heavy-duty Caterpillar® axles with wet disc service brakes. Rear axle has no-spin differential and front axle is limited slip.

Wheels, Tires and Brakes: Tires: 23.1-26 10-ply logger type tire standard. Service brakes are inboard wet disc type. Parking brake is driveline-mounted fail-safe spring applied/hydraulic released wet disc.

Hydraulic System: Engine driven pump drive. Loadsense control hydraulic system. Hydrostatic propel system consists of closed loop pump driving a hydraulic propel motor mounted on transmission. Charge loop filtration. Hydraulic reservoir mounted outside engine compartment with cleanout port and shutoff valve. Cutterhead hydraulic circuits consist of two closed loop hydrostatic systems with variable displacement pumps and fixed displacement motors.

Electrical System: 12 volt dc negative ground with engine driven 100 amp alternator and two 12-volt batteries w/950 cold cranking amps each.

Cab: Angled front roof panel equipped with Lexan roof viewing window reinforced with 1" steel grating. Equipped with pilot-pressure hydraulic joystick control for cutterhead lift and tilt functions. Fully enclosed cab with heater and air conditioner. Tilt steering wheel uses flow amplification to produce a variable oil flow to steering cylinders in relation to steering wheel speed. Fully adjustable seat with suspension, seat belts and lumbar support. Front windshield wiper, dome light, Lexan windows, front window guard, electric horn and full engine instrumentation are standard.

Cutterheads: Twin disk rotary cutterhead cuts a 8 ft 0 in. swath. Twin disk allows independent rotational control of each disk resulting in control of discharge of debris. Twin disk with rotary axe-type blades cuts up to 8 inch trees. Shredder cutterhead cuts 7 ft. 1 in. swath and reduces all vegetation material to a fine mulch.

Travel Speed: Low range: 4.4 mph, high range: 16.6 mph w/ 23.1 tires.

Capacities: Fuel tank: 81 gallons. Hydraulic tank: 70 gallons.

Ground Clearance: With 23.1 tires: 21". With 28L26 tires: 23".

Turning Radius: With 23.1 tires: 16 ft. 4 in outside tires. With 28L26 tires: 16 ft. 7 in. outside tires.

Optional Equipment: Optional tire sizes: 23.1x26, 28L26 or 67x34.00-25. Rotary twin disk cutterhead or shredder-type cutterhead. Other options available upon request.

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Printed in U.S.A. August 2007



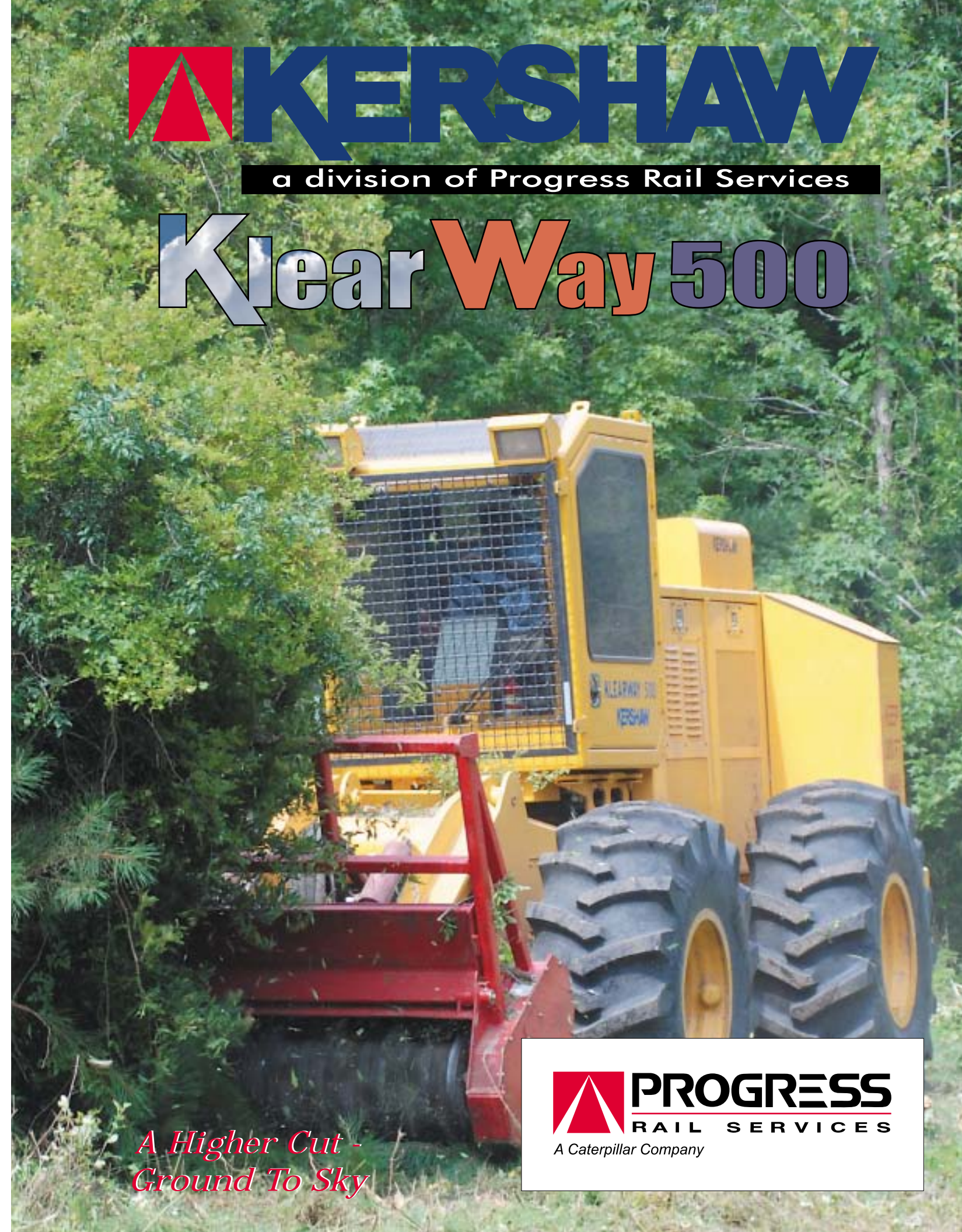
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**ISO 9001:2000
REGISTERED**



KlearWay 500



*A Higher Cut -
Ground To Sky*





Cab

Angled front roof panel equipped with viewing window to allow easier positioning in utility right-of-way. Pilot-pressure joystick control for cutterhead tilt and lift functions. Tilt steering wheel with flow amplification steering. Self-contained air conditioner/heater. Fully adjustable seat with suspension and belts. Large roomy cab with easy access and excellent visibility.



Shredder-Type



Cutterheads

Choice of mulching shredder-type or rotary-type cutterheads. Both cutterheads equipped with closed loop hydrostatic drives. Rotary cutterhead allows independent rotation control of each cutterdisk to control direction of debris discharge. The shredder-type cutterhead is ideal where reduction of vegetation to a fine mulch is desired with almost no limits to the size of material that can be processed. The shredder-type can handle trees, stumps, slash, limbs, roots and more.

Rotary-Type



A Higher Cut - Ground To Sky



Maneuvering

The machine is capable of 50 degrees right or left steering. The steering is enhanced by flow amplification technology to allow precise quick effortless steering. This maneuverability is evidenced by the sequence of photos across the bottom of the page showing the machine turning 360 degrees within a 35 foot utility right-of-way without stopping.



Power Train

Equipped with 2-speed power-shift shift-on-the-go transmission. Hydrostatic 4-wheel drive with Caterpillar axles. Axles include wet-disc inboard service brakes. A wet-disc fail-safe parking brake is driveline mounted.



Engine Compartment

The engine compartment houses a Caterpillar® C6.6 Tier 3 engine rated at 202 horsepower. Special design louvers and perforations allow proper air flow around the engine and to the hydraulically-driven high capacity oil cooler.



Winch

Rear-mounted 20,000 lb. hydraulic winch with cab control provides extraction insurance in extreme wet terrain conditions. The winch is equipped with a fairlead, tensioner and 160 feet of 5/8" wire cable rated for 20.6 tons breaking strength.

