

CARLTON

2518 18" DRUM STYLE WOOD CHIPPER

HEAVY-DUTY

THE
PROFESSIONAL'S
CHOICE



Powerful
Durable
Reliable

18-INCH HEAVY-DUTY CHIPPER

Carlton's newest series in Drum Style Chippers- The Apaches.

The 2518 features a massive 25-inch by 18-inch opening combined with a 37-inch diameter pocketed drum, allowing it to easily consume the largest trees. Aggressive feeding is handled by a dual pump hydraulic system controlled by a digital reversing autofeed system. The Carlton Apache series uses an exclusive long pivot arm for the 15 $\frac{3}{4}$ " diameter top feed wheel. This long arm pivot gives the top feed wheel a smooth vertical lift path, allowing for easy opening over the largest butt ends. The Apache series also incorporates an exclusive Air Vortex Control to channel and accelerate discharge air, giving the Apache series high discharge velocities and great chip throwing power.



Carlton's Exclusive Air Vortex Control channels and accelerates discharge air giving the Apache series high discharge velocities and great chip throwing power.



Digitally Controlled Reversing Autofeed Plus monitors engine rpm and adjusts the feed automatically. This system has the ability to start, stop, and reverse the feed of the material into the chipper based on parameters set by the operator.

Hand Crank Swivel Discharge quickly and easily allows the operator to fill the largest capacity chip trucks corner to corner, or direct the chips to a precise place on the lot.

Optional Hydraulic Winch gets the big material to the chipper.



Heavy-Duty 1 $\frac{1}{2}$ " Feeder Bar

64" Wide Infeed Chute takes the big tops and requires less trimming by the crew.

Extended Frame supports the infeed table for added strength.



Tandem Pump System provides power independently to each feed wheel. This system ensures the most power at all times to the feed system.



10,000-pound Capacity Dexter Torflex Axle makes the 2518 tow great, while minimizing turf damage.



Integrated Hydraulic Cooler is tucked out of harm's way. Reduces fluid temperatures, increasing performance and extending component life.



Dual Edge Knives are easily accessible, making routine maintenance an easy process. Bolts and Nuts are both removable eliminating problems caused by cross threading or stripping pockets.



Optional Hydraulic Winch easily presents the big material to the feed wheel.



Hand Crank Height Adjustable Discharge Chute allows the operator to quickly adjust the discharge perfectly for any truck.

Kevlar Construction Belts carry more horsepower with less stretch, lowering maintenance costs and prolonging belt life.



Oversized 37" Diameter Chipping Drum cuts down and forward on the material. Cutting with the grain minimizes the horsepower required, while giving the smoothest chipping action and best discharge possible.

Three Feed Motors working on independent circuits provide extreme pulling power.

Tandem Hydraulic System provides hydraulic fluid independently to each feed wheel. This system ensures the most power at all times to the feed system. By running this system directly off the engine, all hydraulic functions are available without engaging the drum.

Access Steps on both sides aid in routine cleaning and maintenance.

Dual Lift Cylinders provide crushing power when necessary and allow easy access to the anvil. Mounting these dual lift cylinders low on the sides allows for a full 360-degree chute rotation.

Rigid 3/8" Feed Table resists bending under the day-to-day stresses of chipping the largest logs. This heavy-duty feed table is framed in tubing for even more added strength.



Long Arm Pivot Design allows the feed wheel to easily open over the largest butt ends. Frame extends beneath the infeed table for the ultimate in strength.

LED Taillights mounted high on the infeed out of harm's way. The 2518's taillights have heavy-duty covers for extra protection. All the wiring runs inside the frame to give the machine neater appearance and keep wires clear of damage.



Massive 25" x 18" Throat Opening is the largest in its class and easily handles the largest tops.

Carlton Quality

DURABLE
DEPENDABLE



The Carlton 2518 is designed and built to stand up in the toughest applications, able to withstand all the punishment you and your crew can dish out. From its high capacity axles and tires, to its heavy-duty frame, back to the rigid 3/8" feed table, the 2518 is built right. Carlton understands the environment the 2518 must survive in everyday. Thoughtful design elements like concealed wiring, integrated single manifold hydraulics with electronic control, and dual lift cylinders enhance performance and improve crew productivity. For **Performance, Durability** and **Dependability** nothing compares to Carlton.



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CARLTON MODEL 2518 SPECIFICATIONS

General

Weight	9300 Pounds
Length	211 inches
Height	100 inches
Tires	245/70R17.5 Ld Rng J 6005 # @125 PSI
Axles	Dexter Torflex 10,000 Pound Cap
Brakes	Electric with Breakaway Switch
Hitch	Five Inch Height Adjustable Pintle
Fuel Capacity	35 Gallons
Battery	29 HVD 650 CCA
Jack Stand	10000 # Cap Screw Type Swing Up

Engine

Manufacturer	John Deere
Number of Cylinders	Four
Bore	4.19 Inches (106 mm)
Stroke	5.0 Inches (127 mm)
Displacement	276 Cubic Inches (4.5L)
Maximum RPM	2400 RPM
Horsepower	140HP*
Torque	367 Ft Lbs (498 NM)
Cooling Medium	Liquid Water/Antifreeze Mixture
Air Cleaner	Two Stage Dry Type
Oil Filter	Full Flow Spin On
Oil Capacity	13 Quarts
Oil Type	John Deere
Electrical	12 Volt
Gauges	Powerview
Clutch	Twin Disk 11 1/2" Over Center

Bearings

Drum Bearings	2 1 5/16 inches Tapered Roller
Feed Roller Bearings	2 inches Tapered Roller
Drum Shaft	3 1/2 inches
Feed Roller Shaft	2 inches

Chipper Drum

Drum Diameter	37 inches
Drum Width w/Fans	31 3/4 inches
Disk Balance	Precision High Speed Balanced
Drum Speed	1160 RPM Nominal
Number of Knives	4
Knife Dimensions	12 5/16" x 5 1/2" x 3/8"
Anvil	5 7/8" x 24 3/4" x 1/2" AR400
Drum Fans	20 1/4" x 3" x 10"

Cutting Dimensions

Throat Opening	18" x 25"
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Hydraulic System

Hyd Pump Displacement	1.5 in cu/rev total from 2 pumps
Hyd Pump Drive System	Direct Drive off Engine Mount
Flow	16 GPM Total Tandem Systems
System Relief	2500 PSI
Oil Tank Capacity	18 Gallons
Oil Type	AW32
Valve	DO5 Electric Solenoid
Hose	16,000 PSI Burst - Exceeds SAE 100R2
Oil Filter	10 Micron Return with Suction Strainer

Drive System

Engine Sheave	6/5V8.5
Jackshaft Sheave	6/5V18.7
Drive Belt	6/5V1800
Cutter Head Shaft	3 1/2 inches

Feed System

Feed Motors	46 In Cu Top 32 In Cu Bottom
Flow	Separate Systems for Top/Btm Feed
Hydraulic Drive	Live - Driven off engine
Autofeed	Reversing, Digital, Fully Adjustable
Feed Rate	100 Feet Per Minute
Feed Rollers	Top: 15 3/4" Dia Bottom: 10 1/2" Dia
Springs	Two 30" Tight Wound Powder Coated
Feed Pivot Bearings	Two 2" Tapered Roller
Lift Cylinders	Two 2 x 18 with 1" attachments
Discharge	Crank Adjustable Swivel and Height

Frame

Main Trailer Tongue	3" x 8" with 1/2" wall
Main Trailer Frame	3" x 8" with 1/4" wall
Telescoping Tongue	N/A
Engine Channel Mnts	4" Channel with 5/16" web
Infeed Chute	1/4" with 2" x 2" x 1/4" tube frame
Infeed Tray	3/8" Plate w/2" x 2" and 2" x 4" Tube
Folding Tray Lock	N/A
Discharge Chute	12 gauge
Discharge Lock	3/4" Spring Loaded Pin
Fuel Tank	10 gauge with baffles rubber mtd
Hydraulic Tank	10 gauge with baffles rubber mtd
Battery Box	10 gauge - lockable
Fenders	3/16" checker plate
Feeder Bar	1 1/2" OD x 1/8" wall - removable
Radiator Guards	N/A
Light Brackets	3/16" with hidden wiring
Hitch Plate	3/4" Plate adjustable 5" Up/Down

* Also available in 170 HP Model.
Contact Carlton for more information.

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EXCEPTIONAL QUALITY & CUSTOMER SERVICE



Carlton's commitment to quality can be found in every piece of equipment they manufacture. Each Carlton wood chipper is a result of superior design and the highest quality construction. Plus, Carlton's staff of highly trained and experienced professionals stands behind each wood chipper and is ready with answers to your questions. From parts and service to technical support, Carlton is dedicated to providing the best customer service in the industry. Carlton—Quality products and exceptional service.