

# CARLTON

## 2018HD 18" DISK STYLE WOOD CHIPPER

HEAVY-DUTY

THE  
PROFESSIONAL'S  
CHOICE



Powerful  
Durable  
Reliable

# 18-INCH HEAVY-DUTY CHIPPER

The Carlton 2018HD wood chipper is an extremely versatile high production machine. The 2018HD is built to stand the day in day out duty of clearing or producing fuel chips while still being operator friendly. The Carlton 2018HD is at home behind an arborist truck or out in the woods with a clearing crew!! The super high torque feed system unique to the 2018HD provides the most pulling power available on an 18" capacity chipper. This high torque feed system combined with the high horsepower diesel engine options and proprietary chipping system make the 2018HD chip like no other high capacity machine on the market. This chipping system gives a consistent high quality dimensional chip. The 2018HD is able to take the largest logs and discharge them to the front of 53' trucks with ease – No plugging this chipper!!! The combination of an excellent chip quality and high rate discharge pack chip boxes tight, getting the best reduction ratio on the market.



**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 discharge chute rotation.



**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 material into the chipper based on parameters set by the operator.

**Hydraulic Planetary Winch** with 2 speeds and freewheel provides 10,000 pounds of pulling power.



**Heavy Duty 10,000 pound tongue jack.**

**Locking Fuel and Hydraulic Tanks** sit down in the frame for maximum capacity and a clean design.



**Two 9000 Pound Capacity Dexter Axles** with electric brakes on both axles make the 2018HD tow great while minimizing tire wear.



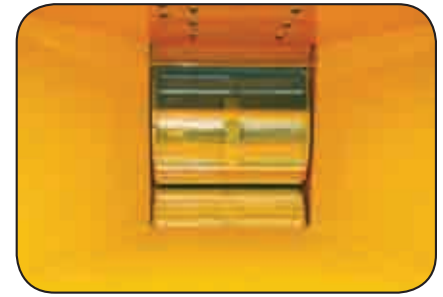
**Kevlar Construction Belts** carry more horsepower with less stretch, lowering maintenance costs and prolonging belt life.



**Precision Ground High Speed Balanced Chipping Disk.** Carlton's chipper disks are perfectly round (no flat spots like competitive chippers) they are also high speed balanced – this combination provides for an extremely smooth chipping action that prolongs bearing and machine life.



**Hydraulic Control Valves** are mounted in a heavy duty enclosure to protect them from damage.



**16" Diameter Top Feed Roller** aggressively pulls in the material to be chipped. This extra large diameter feed roller climbs over material easily, pulling it into the chipper with no assistance.

**Tandem Hydraulic System** provides power 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 disk.

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

**Hydraulic 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



**Heavy Duty 1½" Feeder Bar**

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

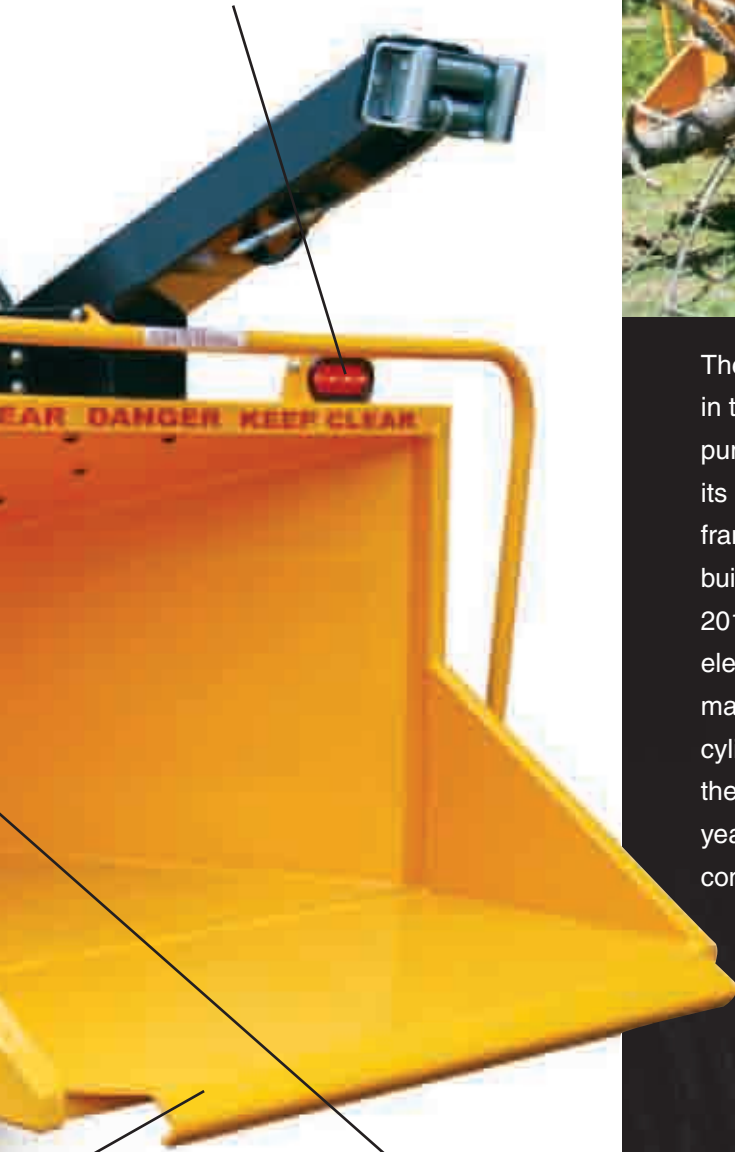
**Four 235/75R17.5 6000 Pound Capacity Tires** easily carry the load.

**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!



**Super High-Torque Feed Motors** provide the most infeed power of any 18" capacity chipper.

**Led Taillights** mounted high on the infeed out of harms way. The 2018HD's taillights have heavy duty covers for extra protection. All the wiring runs inside the frame to give the machine a neater appearance and keep wires clear of damage.



**Massive 20" x 12" Throat Opening** is the largest in its class and easily handles the most difficult materials.

# Carlton Quality

DURABLE  
DEPENDABLE



The Carlton 2018HD 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 2018HD is built right. Carlton understands the environment the 2018HD must survive in everyday. Thoughtful design elements like concealed wiring, integrated single manifold hydraulics with electronic control, dual lift cylinders, full – length radiator protection guards keep the 2018HD operating at peak performance year after year. For Durability and Dependability nothing compares to Carlton.



CALL TOLL FREE **800-243-9335**

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## CARLTON MODEL 2018HD SPECIFICATIONS

### General

Weight	11,700 Pounds
Length	240 inches
Height	108 inches
Tires	235/75R17.5 Ld Rng H 6005 # @125 PSI
Axles	Two Dexter Torflex 9,000 Pound Cap
Brakes	Electric Both Axles w/Breakaway Switch
Hitch	Nine Inch Height Adjustable Pintle
Fuel Capacity	62 Gallons
Battery	950 CCA
Jack Stand	10000 # Cap Screw Type

### Engine\*

Manufacturer	John Deere 6068T Turbo Diesel
Number of Cylinders	Six
Bore	4.19 Inches (106 mm)
Stroke	5.0 Inches (127 mm)
Displacement	414 Cubic Inches (6.8L)
Maximum RPM	2500 RPM
Horsepower	170HP
Torque	358 Ft Lbs (485 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	Murphy Power View w/ Shutdowns
Clutch	Twin Disk 11 1/2" Over Center

### Bearings

Disk Bearings	2 1 5/16 inches Tapered Roller
Feed Roller Bearings	2 7/16 inches Tapered Roller
Disk Shaft	5 inches
Feed Roller Shaft	2 7/16 inches

### Chipper Disk

Wheel Diameter	55 inches
Wheel Thickness	2 inches with 1 inch backer
Disk Balance	Precision High Speed Balanced
Wheel Speed	900 RPM Nominal
Number of Knives	6
Knife Dimensions	(4) 7 1/4" x 4 1/2" x 1/2" (2) 5 1/8"
Anvil	5" x 18" x 1/4" AR400
Chip Throwers	Two 1/2" x 4" x 8" x 24 1/2" long

### Cutting Dimensions

Throat Opening	18 1/2" x 20 1/2"
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### Hydraulic System

Hyd Pump Displacement	2.59 in cu/rev total from 2 pumps
Hyd Pump Drive System	Direct Drive off Engine Mount
Flow	25 GPM Total Tandem Systems
System Relief	3000 PSI
Oil Tank Capacity	20 Gallons
Oil Type	AW32
Valve	Solenoid Operated DO5 Valves
Hose	16,000 PSI Burst - Exceeds SAE 100R2
Oil Filter	10 Micron Return with Suction Strainer
Hydraulic Cooler	Aluminum with Electric Fan

### Drive System

Engine Sheave	6/5V7.5
Jackshaft Sheave	6/5V21.2
Drive Belt	6/5V1320
Cutter Head Shaft	5

### Feed System

Feed Motors	64 Cubic Inch Displacement
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 5/8" Dia
Springs	Two 19" Tight Wound Powder Coated
Slide Bearings	Four 16" x 1" x 1" Ryertex
Lift Cylinders	Two 2 x 18 with 1" attachments
Discharge	Hyd Adjustable Swivel Crank 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
Discharge Chute	1/4" Neck with 10 gauge discharge
Fuel Tank	10 gauge with baffles rubber mtd
Hydraulic Tank	10 gauge with baffles rubber mtd
Battery Box	14 gauge checker plate - lockable
Fenders	3/16" checker plate
Feeder Bar	1 1/2" OD x 1/8" wall - removable
Radiator Guards	2" x 4" with 3/16" wall
Light Brackets	3/16" with hidden wiring LED Lights
Axle Mounts	1/2" Plate
Hitch Plate	3/4" Plate adjustable 9" Up/Down

\* Multiple engine options available up to 275 horsepower.  
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.