

# Disc-Style Whole Tree Chippers

## Model 1850 - 18" Disc-Style Whole Tree Chippers



The Bandit Model 1850 is an 18" diameter capacity disc-style whole tree chipper that is designed for tree services and contractors who specialize in light land clearing. It is compact enough to be maneuvered easily from one location to another and will easily chip 18" diameter whole trees. Built with a heavy-duty frame and heavy-duty hydraulic components, this unit will take the everyday abuse that comes from chipping such large diameter trees. A 45-degree angled feed provides the necessary economy and efficiency when chipping larger diameter materials, and the large opening on the Model 1850 is 18" by 20.5" which allows for multiple or large diameter trees to be processed. 250 to 325 horsepower engine options are available.

The productivity of the Model 1850 can be attributed to its powerful feed system consisting of (2) horizontal feed wheels. The top feed wheel is chain driven and is 15 3/4" diameter x 20" wide. The bottom feed wheel is driven by (1) 63.9 CID hydraulic motor and is 10 5/8" diameter x 20" wide. These feed wheels are situated in Bandit's patented

and proven slide box feed system that can easily pull in and compress whole trees. A super-sized feed system option is also available. Material is fed at 100 feet per minute and chipped at a 45-degree angle to the chipper disc, making the unit effective at rapidly slicing and shearing through woody materials. This arrangement requires less energy to chip, and will chip larger diameter materials better than a drum-style chipper because it will consume less fuel, vibrate less, throw harder, and require less horsepower to chip the larger diameter material.

The approximate weight of this unit, depending upon selected options, is 13,500 lbs. This includes the durable 55" diameter by 2" thick chipper disc with cupped throwers allowing it to capture and throw material out of the discharge at a high velocity, fully loading chip vans to their maximum capacity. The Model 1850 boasts a solid chassis construction using continuous steel welds for structural integrity as opposed to bolt-together techniques. Component weight is distributed and supported on a sturdy, balanced frame built with 12" rectangular tubing that provides the necessary physical reinforcement for chipping yet allowing the machine to be towed easily.

There are many different ways to equip the Model 1850, depending on the setup of your operation. The 1850 is primarily ordered without a loader or cab and is usually fed with mobile Bobcats and excavators. However, the Model 1850 can be equipped with a loader for easy self-feeding, or it even can be equipped with a cab and loader providing a contained, comfortable operating area. The operator cab features 1/4" Lexan windows, cab fan, stationary seat with hydraulic controlled joysticks mounted on an adjustable control module, GEM engine software monitoring system, fuel and hydraulic tank sight gauges, auto feed tach, throttle control, and 12 volt ceiling mounted AC / heating unit. For easier loading of large and limby material, this unit also can be ordered with a 5-1/2-foot infeed conveyor to assist in guiding brush smoothly into the feed system.

Productivity enhancing features like a hydraulic lift cylinder, rear stabilizers, and reversing auto feed system are included as standard on the Model 1850. The steel fuel tank holds 60 gallons, and the steel hydraulic tank has 30 gallon capacity. The discharge on the Model 1850 can rotate 270 degrees, offers a high angle pivot of 44", and has an adjustable deflector for complete, directional control of the broadcasted chips. A full palette of standard and custom paint colors give you the freedom to choose the look of your brand or company.

The Model 1850, as with all Bandit chippers, is designed and equipped with operator safety in mind. Standard items that accommodate any chipper package include guards that cover all moving parts, engine disabling plugs, disc/drum locks, and other Bandit patented and patent pending devices. Also, all components on Bandit chippers are designed to be easily accessible to save time on routine maintenance schedules and to reduce downtime by being more serviceable out in the field. Bandit whole tree chippers, including the Model 1850, are also protected by an industry-leading 5-year "GUTS" warranty which includes coverage on Bandit manufactured components on the drum/disc and slide box feed system. The engine also features a 5-year warranty and will be covered by the respective engine supplier. Thus, Bandit chippers have proven over time to be the best economical decision you can make for a long-term investment in a whole tree chipper.

## STANDARD EQUIPMENT

Whole tree control panel (New System)

Slide box type feed system with (2) horizontal feed wheels. Top feed wheel is chain driven and is 15 3/4" diameter x 20" wide, bottom feed wheel is driven by (1) 63.9 CID motor and is 10 5/8" diameter x 20" wide

**Hydraulic lift cylinder (controlled manually)**

**Reversing Auto Feed System**

Radio remote control with tether remote and 30' cord. Remote controls the following functions: (discharge functions, feed system forward/reverse, yoke up/down, throttle, and engine kill switch).

Wide profile, tapered infeed hopper with 30" solid infeed pan

Radiator guards and removable radiator debris screen

270 degree hydraulic swivel discharge chute (Features a high angle discharge with 44" radius and replaceable elbow and 30" longer straight section).

Hydraulic controlled 12" chip deflector

**Clean out and inspection door on discharge**

55" diameter x 2" thick (2 knife pocket) chipper disc, each pocket equipped with (2) 1/2" x 4 1/2" x 7 1/4" and (1) 1/2" x 4 1/2" x 5 1/8" dual edge knives.

**In-line hydraulic pressure check system**

60 gallon steel fuel tank with aluminum screw float gauge, magnetic drain plug, rubber shock mounted, and lockable tank cap

30 gallon hydraulic tank with mesh screen strainer on suction line, magnetic drain plug, rubber shock mounted, gate valve shut off, aluminum screw float gauge, and lockable tank cap

Hydraulic shut off valves at tanks

12" tubular frame with 3/8" x 3" x 8" tubular steel tongue

**10,000# heavy duty hand crank jack with spring return pad**

**Hydraulic tongue jack**

**12 volt system with rubber mounted LED taillights, 6 prong replaceable coiled power cord & protected heavy-duty wiring with junction box, and LED clearance lights with reflectors.**

Single rear stabilizer

Limit switch engine shut down mounted on chipper hood at hood pin

**Banded belts on chipper & pump drives**

**Lockable steel battery box with (1) 1,400 CCA Interstate battery**

**Lockable aluminum toolbox**

**Safety DVD, (2) 6" wide x 9" tall Bandit operator's manuals (one paper copy and one waterproof copy tethered to machine) and (1) engine operator's manual**

**Engine disable plug for hood locking pin-preventing engine from operating without pin in place**

**Weather resistant manual container**

**Spanish & English combination safety decals**

**2 1/2 pound fire extinguisher with mount**

## PAINT SELECTION

**Standard Imron Industrial Urethane Bandit Yellow (For Whole Tree Chippers please specify Chipper Guard paint color)**

**Standard Imron Industrial Urethane White (For Whole Tree Chippers please specify Chipper Guard paint color)**

**Standard Imron Industrial Urethane Alert Orange (For Whole Tree Chippers please specify Chipper Guard paint color)**

**Standard Imron Industrial Urethane Cat. Yellow (For Whole Tree Chippers please specify Chipper Guard paint color)**

**Standard Imron Industrial Urethane Green (For Whole Tree Chippers please specify Chipper Guard paint color)**

**Standard Imron Industrial Urethane Black (For Whole Tree Chippers please specify Chipper Guard paint color)**

**Special Imron Industrial special paint (please specify color of chipper and if WTC specify color of paint guards)**

**Special Imron 5000 paint (please specify color of chipper and if WTC specify color of paint guards)**

## CAB/LOADER SELECTION

**Model 1850 knuckle boom loader with swing-out operator's console and joystick controls**

**Model 1850 towable unit WITH cab and HYDRAULIC controlled loader (Features Bandit model 1700 knuckle boom loader with turntable bearing and GV4EV(F1) grapple rotator. Cab features 1/4" lexan windows, cab fan, STATIONARY seat with HYDRAULIC controlled joysticks mounted on an adjustable control module, GEM engine software monitoring system, fuel and hydraulic tank sight gauges, auto feed tach, throttle control, and 12 volt ceiling mounted AC /floor mounted heating unit).**

## ENGINE SELECTION

**Caterpillar C6.6, 250 horsepower with over center style clutch - Tier 3**

**Caterpillar C7.1L, 275 horsepower engine with Twin Disc triple plate clutch - Tier 4i (Includes Bandit control system and reversing auto feed. Also includes 3 year / 3,500 engine warranty)**

**Perkins 1206E-E70TTA, 275 horsepower engine with Twin Disc triple plate clutch - Tier 4i (Includes Bandit control system and reversing auto feed. Also includes 3 year / 3,500 engine warranty)**

**John Deere 6069HFC09, 325 horsepower engine with over center style clutch - Tier 4 final (Includes Bandit control panel and reversing auto feed along with 2 year / 2,000 hour engine warranty)**

## FEED SYSTEM SELECTION

**Super sized spring loaded slide box feed system with (2) horizontal feed wheels. Top feed wheel is chain driven and is 15 3/4" diameter x 32" wide. Bottom feed wheel is 10 5/8" diameter x 32" wide.**

**Radio remote control kit with tether back-up (Controls: lift cylinder up/down, feed forward/reverse, discharge swivel left/right, discharge flipper up/down, throttle and engine e-stop).**

#### **INFEED SELECTION**

**Wide profile, tapered infeed hopper with 5 1/2' long infeed conveyor**

#### **AXLE SELECTION**

**Tandem 7000 pound Torflex EZ lube axles with electric brakes**

**Tandem 8,000 pound Torflex EZ lube axles with electric brakes**

**Tandem 10,000 pound Torflex axles with electric brakes**

**Tandem 12,000 pound Leaf Spring axles with electric brake**

#### **TIRES/RIMS SELECTION**

**(4) 235/85R 16" tires mounted on 8-bolt white modular rims**

**(4) 235/75R 17.5" tires mounted on 8-bolt heavy-duty gray rims**

**(4) 235/75R 17.5" tires mounted on 8-bolt aluminum rims**

#### **FENDERS SELECTION**

**3/16" heavy-duty steel weld on tandem axle fenders**

**Aluminum bolt on tandem axle fenders**

#### **HITCH SELECTION**

**2 1/2" Wallace Forge pintle hitch**

**3" pintle hitch with safety chains, slip hooks, and 7 prong replaceable coiled power cord**

#### **CAB AND LOADER OPTIONS**

**(4) exterior work lights to be mounted outside of operator's cab**

#### **ENGINE RELATED OPTIONS**

**Engine pre cleaner - Engine Air**

#### **DISCHARGE OPTIONS**

**Hand crank height adjustable discharge**

#### **KNIFE AND PARTS OPTIONS**

**Additional dual-edge knife**

**Additional dual-edge knife**

#### **HYDRAULIC OPTIONS**

**Hydraulic winch mounted on infeed hopper (does not include cable or rope) (Please specify if winch end is to be set-up with aluminum fairlead or steel rollers)**

**Hydraulic flow control for feed wheel rate adjustment**

Dual rear hydraulic stabilizers

Hydraulic oil cooler

## TRAILER RELATED OPTIONS

Grapple barrel mounted on tongue

## MISCELLANEOUS OPTIONS

**Extra chipper operators manual (standard version)**

**Extra engine operators manual**

**Deluxe light package (Includes (7) Hella worklamp lights, (2) are mounted at the top of the infeed on each side, (2) are mounted on each side of the infeed conveyor, (2) on each side of the discharge chute, and (1) on top of the drum/disc hood)**

Cordless 1/2" Impact wrench 4.0 horsepower mini air compressor

Clean out trap door located underneath bottom feed wheel

For detailed specifications please contact your local authorized Bandit dealer.