



Magnum Force Series

Horizontal Hog

6800BT



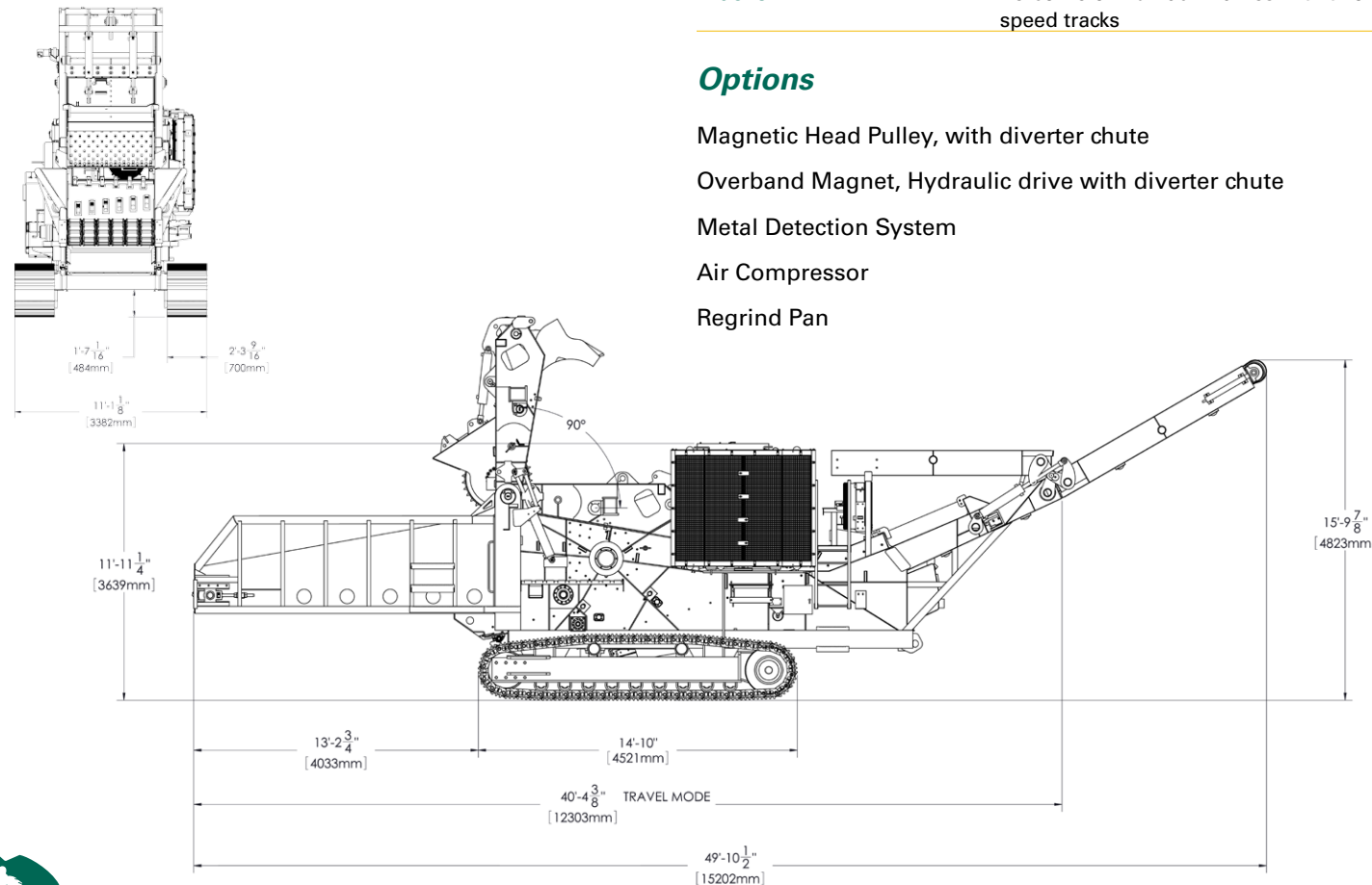
Specifications

Feed Conveyor (high troughing)	
Length	14' (4,267 mm)
Width	60" (1,524 mm)
Motor	High-torque Proclain
Top Feed Roll	
Motor	High-torque Poclain
Discharge Conveyor	
Length	33' 0" (10,058 mm)
Width	60" (1,524 mm)
Discharge height	14' 9" (4,495 mm)
Motor	High-torque Char Lynn
Metal Detection & Release System	
Shear Pins for anvil and screens MDS (optional)	
Shaft & Bearing	
Diameter/Type	6"/SKF Double Row Spherical Roller Bearings
Hydraulics	
Type	Hydrostatic/Rexroth
Drive	Kevlar V-belt complete; 12-groove, 8-V, with guard
Throughput	Up to 200TPH (182 MetricTPH)
Weight	Approx. 84,000 lbs.

Overall Dimensions	
Operating Mode	49' 3-3/4" long
Transport Mode	39' 11" long
Unit Width	11' 2" wide
Power	
Engine	CAT C18; 765-HP (570kW) CAT C27; 1050-HP (787 kW) CAT C32; 1100-HP (825 kW)
Drive	10-12 Groove, 8-V section Kevlar V-belt, with guarding
Flexaire Fan	Reversing pitch radiator fan that reverses air-flow every 5 minutes automatically
Fuel Tank	
Capacity	450 gallons (1,701 liters)
Electrical	Radio remote control for all Functions; full, independent Mechanical backup; IntelliGrind Automatic variable speed feed system; also available with optional modem
Tracks	Berco D5 or D6Track Frames with two-speed tracks

Options

- Magnetic Head Pulley, with diverter chute
- Overband Magnet, Hydraulic drive with diverter chute
- Metal Detection System
- Air Compressor
- Regrind Pan



Features

- Portable, stationary or track mounted
- Highest throughput – up to 200 tons/hour
- Clamshell hogbox for ease of maintenance
- PT Tech Hydraulic Clutch
- Full radio remote control
- Built in pre-screener for by-pass of abrasive fines
- Shear-pin protection
- Choice of two CAT Engines up to 1050-HP
- CBI IntelliGrind™ control system

Description

The best grinder on the market just got better. The Magnum Force Series 6800B Horizontal Hog has been specifically redesigned for land clearing companies and yard waste processors who demand high-volume throughput and maximum reliability. The 6800B features a unique clamshell opening hogbox for ease of maintenance; high torque, hydrostatic feed system; PT Tech hydraulic clutch; and a choice of three CAT power plants. The high strength rotor and screen system is shear pin protected. The entire system is controlled by CBI's IntelliGrind logic that incorporates a feed speed that varies automatically with engine load and an optional modem communications system that provides for real-time system diagnostics (provided proper cell coverage is available). The 6800-BT is capable of processing land clearing debris, pallets and clean industrial waste and stumps and logs as quickly as it can be loaded and is well suited to regrinding material to create mountains of highly-marketable mulch.

Hog & Rotor

The hog box has a unique clamshell opening that has been re-engineered to provide more room behind the screens for increased throughput and ease of maintenance. This design provides full access and a direct line to lift and remove screens. The push of a single button retracts the two main lock pins, and a second button activates two hydraulic cylinders that lift the entire upper section to a very service-friendly, just over center vertical position. There is a 2-grate system with both top and bottom screens having shear pin protection. The top screen can be bolted in or loose mounted if unit is equipped with the optional quick release feature. Anvil and grates are supported by heavy duty shear pins for full protection.

The hog chamber is a heavy-duty reinforced housing with 100% continuous welds, providing maximum corrosion resistance, and the ultimate in rigidity and strength. Bolt-in, replaceable Hardox 450 wear liners fully protect the inside of the hog box and simplify maintenance. Other features include a 40" diameter upper feed roller with a built in high-torque Poclain hydraulic motor; hydraulic up and down pressure; extra heavy-duty grate frame with two replaceable screens. The 40" x 60" long rotor has a forged, thick, high-strength rotor core with 24 weld-on hammers protected by replaceable tip mounting faces arranged in a patented offset helix pattern that cuts the full width of the rotor drastically increasing throughput over the conventional pinned rotor design used by our competitors. CBI's unique bolt-on reversible tip grinds more material for less cost than any other tooth style in the world. CBI's Replace-A-Face™ hammer system allows the operator to swap out the face independent of the rest of the hammer for quick, easy and inexpensive repairs.

Frame

Heavy-duty formed sections with tubular cross members properly reinforced for the highest torsional loads and strength, designed to accept tracks or axles for portability, and are prepared for hydraulic stabilizers, optional overband magnet, metal collection bin or compressor. The track frame also acts as the air tank when selecting an air compressor with conveniently placed outlets.



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The CBI 6800BT a Real Workhorse ... for Heavy-Duty Grinding ... That Goes Where You Want To.

Feed & Discharge System

The feed system features a 14'L X 60"W Feed Conveyor with high troughing sides facilitating continuous feed; impact plate in bottom; 17" head and tail pulleys; 6 strands of heavy-duty drag chain; extreme high-torque Poclair hydraulic motor. The open-ended design and large capacity simplifies feeding full-length materials and accommodates large material surges. The upper roller, with internal drive, has a crush force that is adjustable by radio control. The entire feed system is load regulated. The 60" wide discharge conveyor rides in a steel trough that always keeps belt tracked even when the machine operates on uneven terrain. 14'9" clearance for loading trailers.

Hydraulic Systems

The 6800B is designed using a hydrostatic closed loop hydraulic system to run the feed system and tracks. This dramatically improves the hydraulic system efficiency by reducing the heat generated and overall complexity while providing perfect control of all machine functions.

Power Unit

The 6800B is powered by one of three options.

- CAT C-18, 765-HP
- CAT C-27, 1050-HP
- CAT C-32, 1100-HP
- Electric Motors, 500 – 1000-HP for Stationary Applications

The diesel engine comes equipped with:

- Extra large AKG radiator using a Flexxaire Auto-Reversible Fan to clean the radiator; fan pitch is tied to engine temperature to reduce HP and warm-up time, and increase fuel savings.
- PT Tech extra heavy-duty hydraulic clutch with pump drive
- Donaldson Filtering System with Enginaire Pre-Cleaners

Efficiently grind pallets, stumps & logs into high-quality fuel and mulch!



Fuel



Mulch

6800BT

60" wide cleated discharge belt provides unrestricted discharge of ground product.

Upper feed roller; high-torque Poclair hydraulic motor built into roller.

Hog box opens in seconds with the push of a button giving full access to rotor and quick-change screens.



State-of-the-art Metal Detection & Release System.

Large capacity feed hopper easily handles full-length trees or large material surges with no problem.

1" thick AR 450 Replaceable Side Liners.



State-of-the-art IQAN electric and hydraulic controls.

Extreme-Duty Flange Bearings.

Berco D5 or D6 track frames with 2-speed motors for high torque and speed.

60" (W) x 60" (L) shuttle conveyor allows screened-out material to be diverted from the main discharge.

High Ground Clearance.

AR 450 Construction.



High Strength Thick Forged-Steel Drum Rotor. with Offset-Helix Hammer Pattern.

Versatility Unmatched!

Unmatched ability to process a variety of different materials at a lower cost per ton than any machine on the market!

- Brush, Slash & Tops
- Pallets & Construction Wood
- Stumps & Logs
- Into the highest-quality Mulch and Fuel!



Various Size Hammer Inserts.