



Magnum Force Series Horizontal Hog

6800B

Features

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



Our most popular grinder has been enhanced based on customer input and CBI's engineering advancements.

Description

The best grinder on the market just got better. The Magnum Force Series 6800B Horizontal Hog has been specifically re-designed for land clearing companies and yard waste processors who demand high-volume throughput and maximum reliability. The 6800B features a unique clamshell hogbox for ease of maintenance; high torque, hydrostatic feed system; PT Tech hydraulic clutch; and a choice of two CAT power plants. The 4" thick, high strength rotor core is shear pin protected. The entire system is controlled by CBI's IntelliGrind logic that incorporates feed speed that varies automatically with engine load, and an optional modem communications system that provides for real-time system diagnostics, analysis, and operating program adjustments allowing the operator to optimize performance while avoiding costly downtime. Available in portable, stationary, or track-mounted versions, the 6800B is the perfect solution for your wood processing needs, no matter the location or application.

Hog and Rotor

The hog box has a unique clamshell 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 grates. 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 (see back for details). **Anvil and grates are supported by heavy duty shear pins for rotor 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, Hardox 450 wear liners simplify maintenance. Other features include a 39" diameter upper feed roller with a built in high-torque Poclairn hydraulic motor; hydraulic up and down pressure; extra heavy-duty grate frame with two replaceable grate liners. The 40"Dx60"L upswinging rotor features a forged 4" thick drum wall with 24 machine pockets, providing an effective shaft diameter of 26"; 24 hammers and 24 bolt-on tips using one 1-1/8" bolt per tip. The rotor is locked to the shaft by two Ringfeder locking assemblies. 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 torsion loads and strength, designed for weld-on tracks and optional overband magnet.

Power Unit

Choose between two powerful engines — CAT C-18 at 765-HP or the CAT C-27 at 1050-HP. The 6800B electronics feature a Parker/IQAN panel. A 2-way radio remote control commands all functions of the machine and displays all vital technical data on the remote control — so the operator knows exactly how the machine is performing. This system is prepared for a modem to transfer data in real time to allow for remote diagnostics.

Specifications

Overall	
Length	49' 9"
Height	12'
Width	11' 1"
Weight	App. 78,000 pounds (w/CAT C27)
Box	
Length	11' 6"
Width	60"
Output conveyor	
Length	30'
Width	60"
Rotor	
Length	60"
Diameter	40"
Weight	4,200 pounds
Hammers	24
Hammer Weight	32 pounds, each
Tips, Reversible	7 pounds, each

Feed and Discharge System

Feed table has been extended out an additional foot to assist in easy loading of large volumes of land clearing debris to satisfy the machine's voracious appetite. Also a bidirectional (regrind) conveyor has been added under the feed table so that screened fines and dirt can either be mixed with ground product or diverted forward and stockpiled.

Metal Detection System

With this option, tramp metal impact is detected with an electronic sensor. Feed system reverses and engine is brought to an idle. Feed roll lifts. Clutch remains engaged until engine idles, allowing engine to act as brake. Anvil and screen frame opens in less than 1/2 second to allow tramp metal to safely eject. Following inspection, operator pushes reset function to resume operation.

Throughput	Up to 200 tons/hour
Power	
Diesel	CAT C18 700 HP; standard CAT C27 1100HP optional
Electric	Two (2) 300-500 HP motors
Electrical	
	Radio remote control for all functions, with full, independent mechanical backup



An additional foot has been added to the feed table specifically for high-volume applications.



The CBI difference: Fuel the Future™



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