



Magnum Force Series

Horizontal Hog

8600



Specifications

Overall		
Length	48' 6" travel	61' 0" operation
Height	13' 2" travel	17' 10" operation
Width	10' 8"	
Weight	92,000 pounds	
Feed Conveyor (high troughing)		
Length	16'	
Width	60"	
Rotor (forged)		
Length	60"	
Diameter	50"	
Wall thickness	4"	
Weight	12,500 pounds	
Hammers	24	
Hammer weight	66 pounds, each	
Tips, reversible	7 pounds, each	
Discharge Conveyor		
Length	50' 0"	
Width	60"	
Discharge height	17' 10"	
Throughput		
up to 200 tons/hour		
Power		
CAT 3412E, 1030 HP (effective) 2006, CAT C32 rated at 1300 HP)		
Drive		
V-belt complete; 12-groove, 8-V, with guard		
Fuel Tank		
382 gallons		

Electrical	Radio remote control for all functions, with full, independent mechanical backup; 3 E-stops placed around machine; CAT engine RPM sensor regulates feed system
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Options	
Flexxaire Fan	Blades reverse pitch every five minutes, reversing airflow automatically to keep radiator cool and clean, eliminating costly shutdown

Magnetic Head Pulley	With aluminum diverter chute
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Overband Magnet	With metal chute and bolt-on quick disconnect hydraulics. Magnet can remain on during transport.
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Features

- Unique clamshell hogbox design provides full access for maintenance and direct lifting line for screen removal
- Three easy slide-in screens
- Extra-thick, shear pin protected, screen, support frame, and anvil
- 50" x 60" downturn rotor made of 4" thick high-strength forged steel
- Built-in prescreener allows bypass of abrasive fines
- CBI's Replace-A-Face™ hammer system
- IntelliGrind™ variable speed feed system
- Throughput up to 200 tons/hour

Description

If your need is for the highest possible production grinding trees, stumps brush, yard waste or pallets, then the 8600 is for you. Following in the tradition of CBI's 4800 series, the Magnum Force 8600 incorporates the extreme ruggedness and versatility of that model and adds newly engineered features never before available in a wood waste grinder. The 8600's unique clamshell design provides outstanding access for service, and a direct line for lifting and removing screens. Screens are specially designed to slide in easily, and the three screen system allows for product size to can be readily customized to meet end-product requirements. Other features, such as CBI's IntelliGrind™ operating system and Replace-A-Face™ hammers, make this unit the most technically advanced on the market today. As with all CBI products, every feature and component is designed for the longest wear life, easiest maintenance, and lowest cost of operation possible.

Hog Chamber, Rotor, and Anvil

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 400 wear liners simplify maintenance.

A 50" diameter, 4" thick high strength forged steel rotor, with bolt-on hammers and tips, is designed especially for yard waste, stumps and logs. The rotor has 24 machine pockets to accept CBI's patented 5 bolt hammer & tip combination, and rotates downward at 900 RPM. Each hammer is bolted to the rotor core and the reversible tip is bolted to the hammer; an extremely rugged construction design for long life and easy maintenance. Both hammer and tip are engineered with a unique breakaway feature for full and effective protection against tramp metal. In case of release, one man can

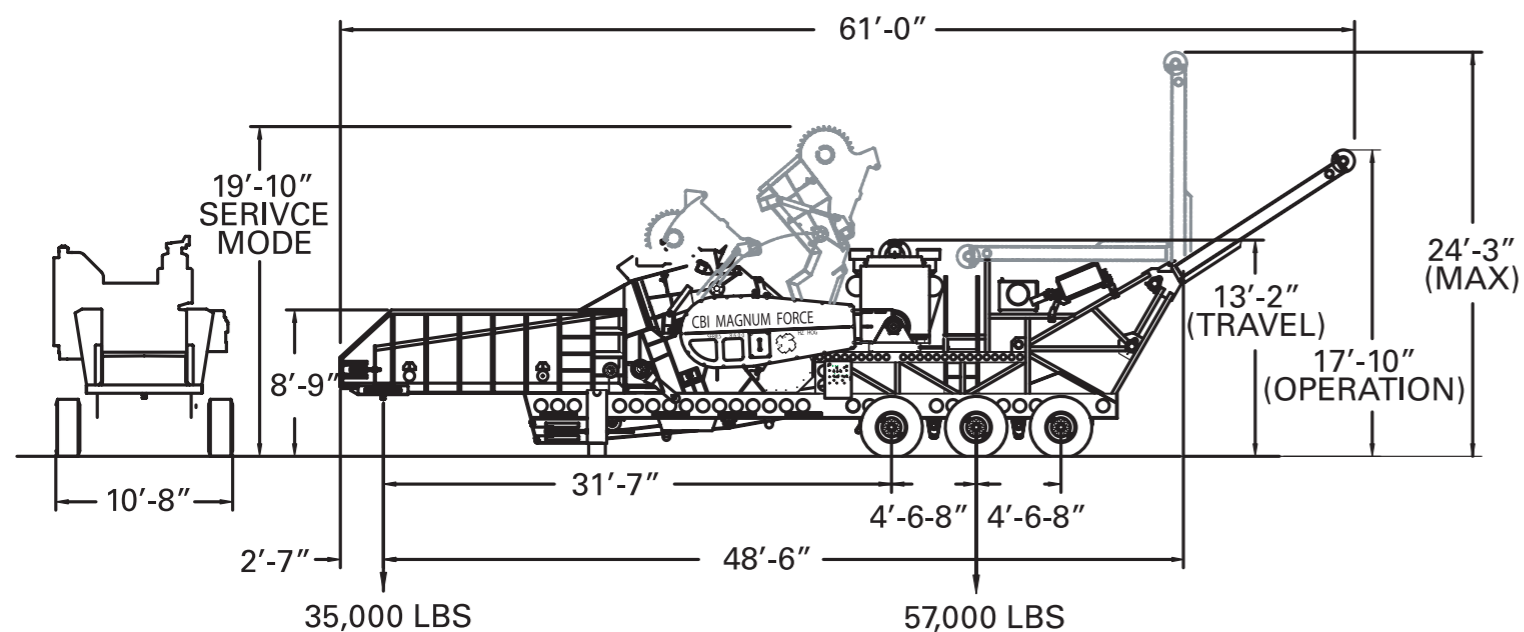
quickly replace defective parts and be up and running with little time lost. CBI's new Replace-A-Face™ hammer system allows for quick, easy, and inexpensive repairs, as the face can be replaced independent of the rest of the hammer. The superior clampload of hammer and tip design prevent items from becoming loose and eliminates the need for re-tightening. The oversized, line-bored, heavy duty bearing housing is designed to absorb the shock and heavy stresses of grinding contaminated materials.

Extra thick, shear-pin protected, screens, grates, and anvil provide longer wear with less breakage, avoids catastrophic damage, and can be replaced easily. A built-in prescreener allows abrasive fines to bypass the hog and extends component wear life.

The hog box has a unique clamshell design providing full access for maintenance 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 just over center-vertical position. A three-screen system, newly designed for easy slide-in and removal, allows for product size that can be easily customized depending on feedstock and end product requirements. Several sizes and patterns are available ranging from 1" x 2" regrind grates, up to 6" x 9" for high production on primary grind. Anvil and grates are supported by heavy duty shear pins for rotor protection.

Frame

The trailer frame features a wide flange and tubular lattice structure for high rigidity and strength while greatly reducing weight. The tri-axle features a Hutchens H9700-50 suspension and a 9' - 6" tire spread. Six super-single wheels with Michelin 425-65R22.5 tires



The CBI difference: More Value — by Design

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