



A TEREX BRAND

PRODUCT SPECIFICATION

6800C-SE

ELECTRIC
HORIZONTAL GRINDER



WHOLE TREES • STORM DEBRIS • SLASH • STUMPS • REGRIND

KEY FEATURES...

www.terex.com/cbi

The CBI Magnum Force 6800C-SE Horizontal Grinder is engineered to outperform every electric horizontal grinder that has come before it. Wood waste professionals rave that the CBI 6800C is an industry giant and delivers ultimate production, performance, and durability.

Improving on the 6800BT's revolutionary design, the 6800C-SE has a 15 percent larger screen area, wrapping more than 190 degrees around the rotor, allowing production rates to surge beyond 200 tons per hour. Supported by a larger shaft and bearings, the new 6800C-SE can now support a dual 500hp drive set-up for increased throughput of the toughest materials. The design of the CBI offset helix rotor minimizes energy loss from each strike and distributes material evenly across the rotor, efficiently out producing the competition. Built from a fully welded and line bored hog box, the frame on this yellow monster is built to withstand daily punishment while processing land clearing debris, pallets, clean industrial waste, stumps, logs, mulch, bark, shingles, and whole trees. The operator has never had more control of a grinding unit than they do the CBI 6800C, allowing our customers to respond in real-time to the changing materials and market requirements.

The new and intuitive user interface allows operators to adjust and save multiple groups of feed speeds, pressures, and automated control systems to guarantee the most efficient performance across a wide range of materials. A brand new feature called T-link (Terex Telematics System) comes standard on all of our grinder units. This telematics system allows owners to remotely monitor detailed reports of operating data, machine status, alarms, and other key metrics. T-link provides the customer with a customizable online dashboard which displays the full range of data and can also be configured to send email and text notifications when certain events occur. This technology will continue to expand, giving CBI customers a best-in-class experience with service and parts.

Maintenance on your grinder has never been easier than it is on this new design. The expanded service area provides open access to the back side of the mill as well as the front side of the motors, providing greater ventilation and cooling. The hydraulic filter rack is strategically located to be fully accessible at ground level, with a sloped design to help shed materials which build up in the field. All of the valve decks have guarding for protection. To top it off, we've moved the hydraulic tank higher on the unit and increased capacity, to ease strain on the pumps. Speed sensors have been added to the feed system for a more continuous and efficient pace of grinding, especially when using CBI IntelliGrind.

Supported 24/7 by a dashboard of updated reports, technical phone support, and CBI's Field Service Engineers, there's no guesswork when it comes to keeping this machine operating at top performance. All together, no other horizontal grinder in its weight class meets the production rates or low cost of ownership like the CBI Magnum Force 6800C-SE Horizontal Grinder.

60" WIDE CLEATED DISCHARGE BELT



Magnet options.

CHANGE SCREENS AND TIPS IN MINUTES



Motor configurations from 700hp to 1000hp.

Open, safe, and ergonomic service area for technicians.



LARGE CAPACITY FEED HOPPER



High-torque feed roller. Speed sensors monitor the feed system's speed in real time to maintain a continuous and efficient pace of grinding.

AR 400 feed deck and infeed walls.

METAL DETECTION SYSTEM (MDS)



Available as portable and stationary.

Heavy-duty support gussets are 100% welded.

Access to outermost hammer's outer face for routine maintenance.

Kingpin comes standard with portable option.

HIGH STRENGTH ROTORS FOR HIGH PRODUCTION



The 40" diameter x 60" wide upturn rotor has a forged, thick, high-strength core with 24 weld-on hammers. The offset helix pattern cuts the full width of the rotor, distributing material across the hammers for natural efficiency. This design increases throughput over conventional, pinned, or welded hammer rotors used by our competitors. CBI's bolt-on reversible tips grind more material for less cost than any other tip. Our Replace-A-Face™ hammer system allows the end user to swap out the face independent of the rest of the hammer for quick, easy, and inexpensive maintenance.

Various hammer inserts



190-degree screening area



Increased hydraulic tank capacity



Wedge lock secures upper hog box



Metal Detection System (MDS)

A problem for any industrial grinder has to do with tramp metal entering the hog box and causing significant damage, which leads to downtime. The Metal Detection System™ (MDS) engages within milliseconds whenever the grinder's rotor makes contact with tramp metal. The rotor is monitored by an adjustable electronic sensor to alert the control system when tramp metal is detected. The MDS will automatically lower the engine RPM, raise the top feed roller and reverse the infeed to allow the operator to find the tramp metal. The MDS system's sensitivity can be adjusted up and down for the application, and can be precise enough to detect a bag of bolts. Pictured to the right is a CBI grinder up and running just minutes after the MDS system picked up a trailer hitch. They didn't even break a tooth.



TRANSPORT DIMENSIONS

Width: 9'6" (2.8m)
Height: 13' 1" (3.9m)
Length: 42'11.5" (13.1m)
Weight: 85,000 lbs.

DISCHARGE CONVEYOR

Width: 60" (1.5m)
Length: 37' (11.2m)
Height: 16'-7" (5m)
Discharge belt has optional magnetic head pulley and chute

INFEED

Width: 60" (1.5m)
Height: 6'-11" (2.1m)
Conveyor: 15'-0" (4.5m)
Drive chains

MOTOR/DRIVE

Motor configurations from 700hp to 1000hp

CONTROLS

Allen-Bradley
Remote control operated
Telematics

HYDRAULICS

Hydrostatic, closed loop
Hydraulic capacity 110 gallons (416 L)

FAN

Reversing direction hydraulic cooler that reverses airflow automatically to purge debris

ELECTRICAL

Soft starter standard
VFD option available

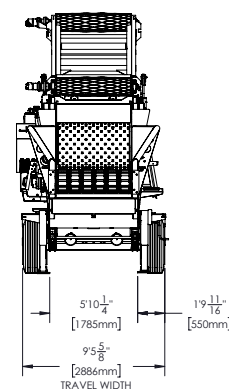
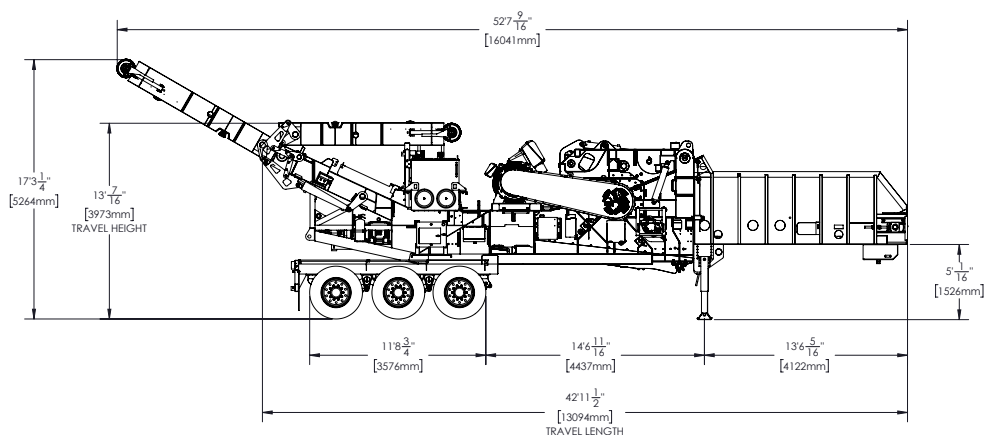
ROTOR

Shaft: 8" major diameter (2m)
Width: 60" (1.5m)
Diameter: 40" (1m)
RPMs: 1440

OPTIONS

Air compressor
Trailer package
Overband magnet
Magnetic head pulley

Specifications subject to change without notice.
Available as tracked, tracked dolly, portable, or stationary.



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World's best stationary and portable material recovery systems.
22 Whittier Street, Newton, NH, 03858
Phone: (603) 382-0556 Fax: (603) 382-0557
Web: www.terex.com/cbi Email: NWT.InfoFWD@terex.com

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