

# 6700B Grinder



The 6700B is the largest in Peterson's popular line of horizontal grinders. Powered by a Caterpillar C32 diesel engine, the 6700B is designed for high production construction and demolition grinding. With a feed opening of 50 x 66 inches (127 x 168 cm), the 6700B can reduce large, bulky C&D materials into smaller pieces for more efficient transportation or land filling.

The 6700B utilizes Peterson's high production Adaptive Control System and fully adjustable feed system which can be optimized for a wide range of materials. The control panel features a large LCD display that provides the operator with self-diagnostics for faulty sensors, open circuits, and other information needed for efficient operation. System pressure transducers simplify set up and provide complete engine and system parameters.

Peterson solved the problems common to slow speed shredders with its medium speed adaptation of the popular 6700B wood waste grinder. Slow speed shredders are well suited for reducing elastic materials such as tires. They are also suited for primary reduction in a low volume C&D sorting and processing operations. The disadvantage of the slow speed shredders is the resulting low throughput when high volume reduction is required with bulky C&D materials. The high throughput of the Peterson 6700B makes it a

good choice for reducing C&D materials with minimum brick and cement content. Large steel plates, bars and rods should also be presorted and removed from the feedstock.

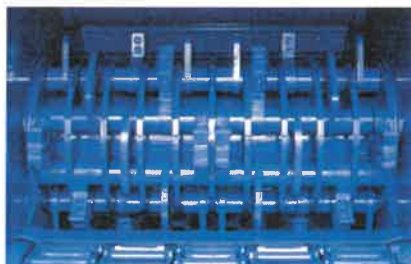
A rotor tip speed of 6,000 to 7,000 feet per minute (1829–2134 meter/minute) combined with Peterson's three stage grinding system, upturning rotor and air adjustable impact release system are key elements to high production and low operating costs in this application. A heavy duty conveyor belt is used to extend belt life. Various grate

options can be used depending on the size and amount of metal in the C&D material.

The optional air adjustable floating anvil release system can be set to readily open to release contaminates, or increase the air pressure as needed for additional reduction in less contaminated materials. It also reduces the power and fuel required to 0.1–0.2 gal/ton (0.38–0.76 liter/ton). This is

similar to the fuel consumption for slow speed shredders in this type of material.

For more details contact Peterson or your local distributor.

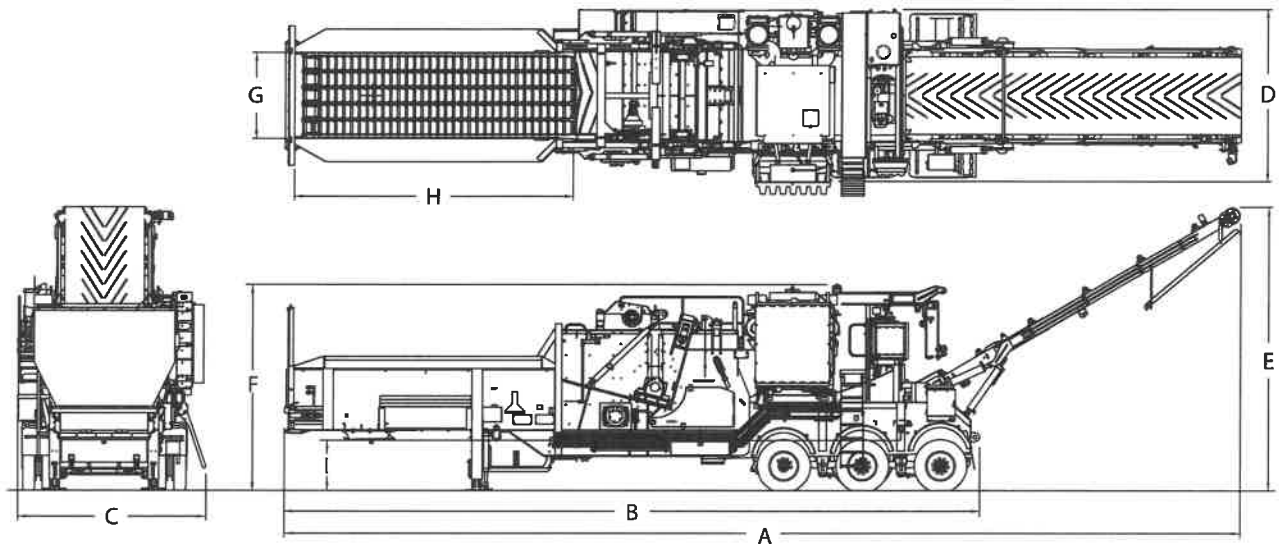


*Available with a Pinned or Drum Rotor*



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# 6700B Horizontal Grinder Specifications



## Dimensions

A Operating Length	60'-8" (1849 cm)
B Travel Length	44'-½" (1343 cm)
C Operating Width	11'-10¼" (361 cm)
D Travel Width	11'-8¾" (358 cm)
E Discharge Height	17'-11½" (547 cm)
F Travel Height	13'-3¼" (405 cm)
G Hopper Width	66" (168 cm)
H Hopper Length	18' (550 cm)
I 5th Wheel Height	48-50" (122-127 cm)

## Axle/Suspension

Axle Spacing	60" (152 cm)
5th Wheel Weight*	34,500 lbs (15 650 kg)
Tri-Axle Group Wt.*	59,860 lbs (27 150 kg)
Total Weight*	96,500 lbs (43 770 kg)
Ground Clearance at landing gear	16" (41 cm)

\* approximate, depending on rotor and options selected

## Powertrain

Engine	Caterpillar C32
Horsepower	C32 @ 950 hp (708 kW), 1125 hp (839 kW) or 1200 hp (895 kW)
Clutch	Twin Disc HP610S
Fuel Tank Capacity	400 gal (1514 L)
Hydraulic Tank Capacity	95 gal (360 L)

## Feed System

Total Hopper Capacity	12 yd <sup>3</sup> (9.18 m <sup>3</sup> )
Hopper Width	66" (168 cm)
Hopper Length	18' (550 cm)
Drag Chain Size	WDH120
Hopper Loading Height	8'-6¼" (260 cm)
Feed Opening (width x height)	66 x 50" (168 x 127 cm)
Compression Roll dia (tip to tip)	36" (91 cm)

## Rotor

Rotor Shaft Size	7½" (19 cm)
Rotor Diameter	46½" (118 cm)
Rotor Width	69¾" (176 cm)
Rotor Speed	840 rpm @ 2100 rpm (engine)
Rotor Speed (C&D)	576 rpm @ 1800 rpm (engine)
Bit Size (width x height)	3 x 6½" (76.2 x 165.1 mm)
Number of Bits	Drum Rotor-22, Pinned Rotor-20

## Grate Data

Number of Grate Sections	4
Total Grate Area	5253 in <sup>2</sup> (33 890 mm <sup>2</sup> )
Grate Coverage	186 degrees
Grate Thickness	1" (25.4 mm) or 1½" (38.1 mm)

## Discharge System

Discharge Conveyor Width	60" (152 cm)
Conveyor Speed	450-700 ft/min (137.20-213.36 m/min)
Discharge Height (top of head pulley)	17'-11½" (547 cm)

## Production - C32 1200hp

Greenwaste	583 yd <sup>3</sup> /170 US tons (446 m <sup>3</sup> /154 metric tons) per hour
Scrap Board	653 yd <sup>3</sup> /111 US tons (499 m <sup>3</sup> /101 metric tons) per hour
C&D	100-170 US tons per hour

(Actual output may vary due to moisture content, material density, material size, support equipment, and grate size. Production rates are based on grinding 50 minutes per hour.)

## Optional Equipment

Floating Anvil System
Air Compressor
Centralized Greasing
Magnetic Pulley
Magnetic Cross Belt Conveyor
Scrap Metal Collection Box (requires cross belt conveyor)
Grate Hangers

Scan with your smartphone to see video of the 6700B



Specifications subject to change without notice

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