

**Portable  
Heavy-Duty  
Waste Recycler**

# Model 6700B

The Peterson model 6700B Horizontal Recycler is the newest model in Peterson's popular line of Horizontal Recyclers. Powered by a Caterpillar C27 or C32 diesel engine, the 6700B is designed for the biggest jobs. With a feed opening of 50 x 66 inches, the 6700B can even process large stumps that used to be reserved for tub grinders!



*The Peterson 6700B handles your biggest grinding jobs*

The 6700B features Peterson's Adaptive Control System II, which controls all components of the feed system to optimize output. This third-generation system monitors the grinding load and varies the speed of the feed system to keep the engine working at the top of its power curve. It automatically accelerates the feed system when the engine load is light, slows when the load is high, and reverses engine speed drops. It even monitors the engine temperature and varies the cooling fan speed to minimize power usage and reduce fuel consumption.

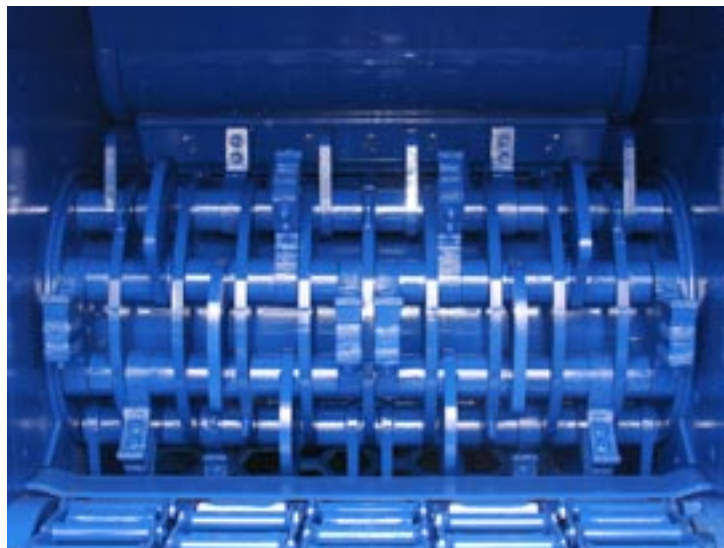
Peterson's three-stage grinding process with an up turning rotor and large grate area enables the 6700B to produce materials to exact specifications. Our quick-change multiple grate system makes it easy to customize grate configurations to produce a wide variety of finished materials. Grates are removed through an access door on the side wall of the 6700B.

Unique to Peterson Recyclers is our innovative latching Impact Release System, which minimizes damage from contaminants in the feed material. The anvil and first grate open on a severe impact, allowing the contaminant to be ejected, and then re-latch to permit continuous grinding.

Another major innovation on the 6700B is Peterson's Impact Cushion System. Urethane cushions allow movement of the compression roll/anvil housing pivot shaft, cushioning impacts due to contaminants in the feed material. Shear pins above the cushion and a sensing circuit that stop the engine help protect the shaft from catastrophic damage in the event of a severe impact.

Rotor options include a traditional "drum" style rotor for general applications, and a "pinned" style for high impact applications such as contaminated construction & demolition (C&D).

Peterson specializes in developing delivery and processing equipment that turns low-grade organic materials into high value products.



*The Peterson 6700B is available with a pinned style or drum style rotor*

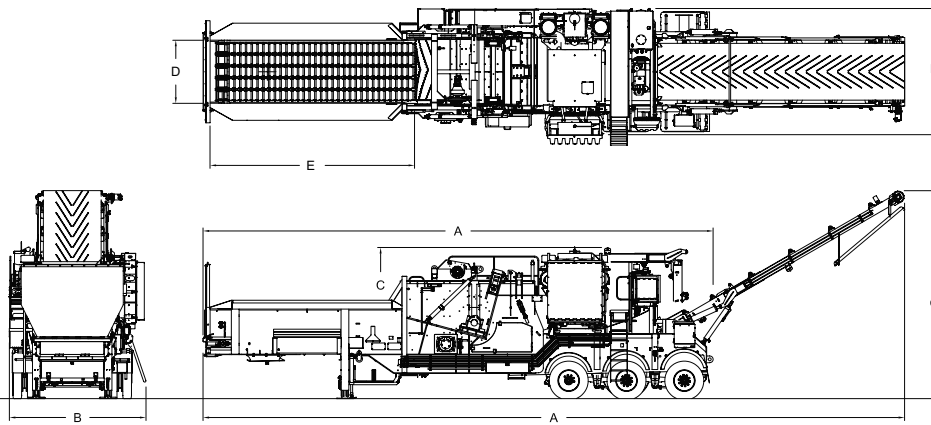


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# 6700B

## General Dimensions

A	Operating Length	60'-8" (18491mm)
	Travel Length	44'-1/2" (13431mm)
B	Operating Width	11'-10 1/4" (3613mm)
	Travel Width	11'-8 3/4" (3575mm)
C	Discharge Height	17'-11 1/2" (5471mm)
D	Hopper Width	66" (1676mm)
E	Hopper Length	18' (5496mm)

### External Dimensions

Length - Operation	60'-8" (18491mm)
Length - Travel	44'-1/2" (13431mm)
Width - Operation	11'-10 1/4" (3613mm)
Width - Travel	11'-8 3/4" (3575mm)
Height - Travel	13'-3 1/4" (4045mm)
5th Wheel Height	48-50" (1219-1270mm)

### Axle/Suspension

Axle Spacing	60" (1524mm)
5th Wheel Weight*	approx 34,000-35,000 lbs (15422-15875kg)
Tri-Axle Group Wt.*	approx 52,000-56,000 lbs (23587-25401kg)
Total Weight*	approx 86,000-91,000 lbs (39309-41276kg)
Ground Clearance @ landing gear	16" (406mm)

\* depending on rotor and options selected

### Powertrain

Engine	Caterpillar C27 or C32 Tier II
Horsepower	C27 @ 950hp (783kW) or 1050hp (783kW) C32 @ 950hp (708kW), 1125hp (839kW) or 1200hp (895kW)
Clutch	Twin Disc HP600
Fuel Tank Capacity	400 gal (1514.12L)
Hydraulic Tank Capacity	95 gal (359.60L)

### Feed System

Total Hopper Capacity	12 yd <sup>3</sup> (9.18 m <sup>3</sup> )
Hopper Width	66" (1676mm)
Hopper Length	18' (5496mm)
Drag Chain Size	WDH120
Hopper Loading Height	8'- 6 1/4" (2597mm)
Feed Opening (width x height)	66" x 50" (1676 x 1270mm)
Compression Roll dia (tip to tip)	36" (914.40mm)

### Rotor

Rotor Shaft Size	6 7/16" (163.51mm)
Rotor Diameter	46 1/2" (1181.10mm)
Rotor Width	69 3/8" (1762mm)
Rotor Speed	840 rpm @ 2100 rpm (engine)
Bit Size (width x height)	3" X 6 1/2" (76.20mm X 165.10mm)
Number of Bits	Drum Rotor - 22, Pinned Rotor - 20

### Grate Data

Number of Grate Sections	4
Total Grate Area	5253 in <sup>2</sup> (33890mm <sup>2</sup> )
Grate Coverage	186 degrees
Grate Thickness	1" (25.4mm) or 1 1/2" (38.1mm)

### Discharge System

Discharge Conveyor Width	60" (1524mm)
Conveyor Speed	450 - 700 ft/min (137.20 - 213.36m/min)
Discharge Height (top of head pulley)	17'-11 1/2" (5471mm)

### Optional Equipment

- Air Compressor
- Centralized Greasing
- Magnetic Pulley
- Magnetic Cross Belt Conveyor
- Grate Hangers

### 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  
*(Actual output may vary due to moisture content, material density, material size, support equipment, and grate size.)*



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Find out more about the entire Peterson product line at: