

**Electric
Powered
Heavy-Duty
Horizontal
Grinder**

**High Production
Waste Wood
Grinding**

Model 4750B

The Peterson model 4750B Horizontal Grinder is an electric powered version of the popular model 4700B trailer mounted Horizontal Grinder. Powered by twin 300 or 400-horsepower electric motors, the 4750B is ideal for operations that can take advantage of stationary or semi-stationary operations. Electric power costs are typically much lower than diesel fuel costs. In today's changing economy, electric power may just be the answer to increasing your profits.



The electric powered 4750B makes sense for permanent or semi-permanent operations

Peterson's three-stage grinding process with an up turning rotor and large grate area enables the 4750B to produce materials to exact specifications. 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 4750B.

Unique to Peterson Grinders 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 4750B 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 motors help protect the shaft from catastrophic damage in the event of a severe impact.

Rotor options include a "drum" style rotor for compost/mulch applications, and a "pinned" style for higher impact or contaminated applications such as land clearing and construction & demolition (C&D).



The Peterson 4750B is available with a pinned style rotor for demanding applications

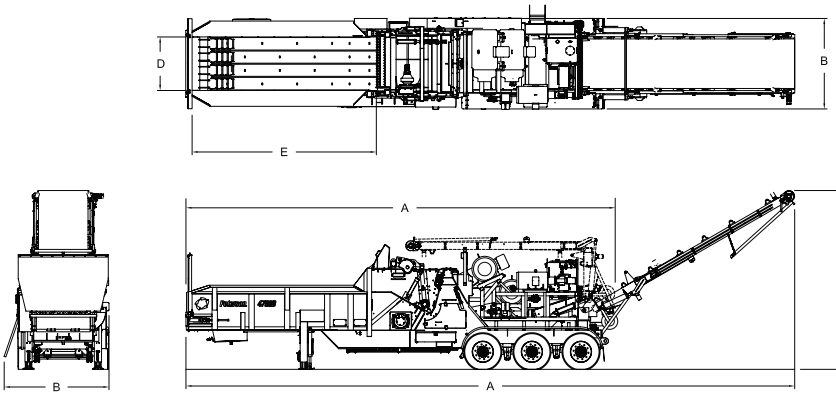
Peterson specializes in developing delivery and processing equipment that turns low-grade organic materials into high value products.



Peterson™

4750B

General Dimensions



A Operating Length	56'-4" (17170mm)
Travel Length	39'-8 3/4" (12110mm)
B Operating Width	9'-8 1/2" (2959mm)
Travel Width	8'-6" (2591mm)
C Discharge Height	16'-6 1/2" (5042mm)
D Hopper Width	60" (1524mm)
E Hopper Length	16'-11" (5156mm)

External Dimensions

Length - Operation	56'-4" (17170mm)
Length - Travel	39'-8 3/4" (12110mm)
Width - Operation	9'-7 3/4" (2940mm)
Width - Travel	8'-6" (2591mm)

Axle/Suspension (if applicable)

Axle Spacing	4'-6 1/2" (1384mm)
Axle Group Weight Capacity	57,000 lbs (25855.20kg)
Weight (w/Drum Rotor)	approx 62,500 lbs (28350kg)
Approximate 5th Wheel Weight	22,000 lbs (9979kg)
Ground Clearance @ rear axle	10" (254mm)

Powertrain

Primary Motor	Toshiba high efficiency 460v/3-phase electric
Horsepower	2 @ 300 or 400 hp ea.
Secondary Motor	high efficiency 460v/3-phase electric
Auxillary motor (for hydraulic functions)	
Horsepower	100hp
<i>(does not include soft start and switching gear)</i>	
Main Hydraulic Tank Capacity	105 gal (397.46L)

Feed System

Total Hopper Capacity	9 yds ³ (6.88 m ³)
Hopper Width	60" (1524mm)
Hopper Length	16'-11" (5156mm)
Drag Chain Size	WDH110
Hopper Loading Height	7'-9" (2362mm)
Feed Opening (width x height)	60" x 40" (1524 x 1016mm)
Compression Roll dia (tip to tip)	33 1/2" (851mm)

Rotor

Rotor Shaft Size	4 15/16" (125.40mm)
Rotor Width	63 1/2" (1613mm)
Rotor Speed	1050rpm

Drum type

Rotor Diameter	38" (965.20mm)
Number of Bits	25
Bit Size (width x height)	2 3/4" x 5" (69.90mm x 127mm)

Pinned type

Rotor Diameter	37 1/8" (942.98mm)
Number of Bits	24
Bit Size (width x height)	2 3/4" X 5" (69.85mm X 127mm)

Grate Data

Number of Grate Sections	4
Total Grate Area	4022.54 in ² (25951.82cm ²)
Rotor Coverage	187.33 degrees
Grate Thickness	1"(25.40mm) or 1 1/4" (31.2mm)

Discharge System

Discharge Conveyor Width	54" (1371.60mm)
Conveyor Speed	450 ft/min (137.20m/min)
Discharge Height (Top of Head Pulley)	16'-6 1/2" (5042mm)

Optional Equipment

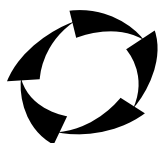
- Centralized Greasing
- Magnetic Pulley
- Magnetic Cross Belt Conveyor
- Grate Hangers

Production (with two 400 hp motors)

Greenwaste	360 yd ³ /96 US tons (275 m ³ /87 metric tons) per hour
Scrap Board	425 yd ³ /66 US tons (325 m ³ /60 metric tons) per hour

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

Specifications subject to change without notice



Peterson

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Find out more about the entire Peterson product line at: