

*Whole
Tree Disc
Chipper*

Model 5900

The Peterson model 5900 disc chipper is built to produce high quality paper chips when used with a Peterson model 4800 debarker or fuel chips as a stand alone fuel wood chipper.

The same high quality chipping components have been used for many years in Peterson's 5000G delimeter/debarker/chipper.

The 5900 has a large feed throat capable of accepting up to a 23 inch (563mm) diameter tree or multiple smaller diameter stems. The large throat area is achieved by the placement of the anvil and transition in the chipper. The large throat and high net power available to the 5900 make this machine very productive.

The standard three pocket disc can produce chips from 0.625 to 1.25 inch (16–32mm) in length. The optional four pocket disc can produce chips from 0.5–1.0 inches (13–25mm) in length. Optional sheave diameters of 60 and 65 inch (1524 and 1651mm) are available if required to slow the feed speed to match the capacity of a flail delimeter. Chipping production rates from 60–100 tons (55–90 tonnes) can be achieved depending on chip size.

Peterson's heavy-duty 66 inch (1676mm) diameter 4.75 inch (121mm) thick chipper disc has a replaceable 0.5 inch (13mm) thick wear plate. This disc diameter results in a good match of high production and consistent chip quality. Larger diameter discs have a greater speed differential between the inner and outer portions of the chipping knife which results in lower levels of acceptable chips. Traditional babbitt type knives or Key Knife™ components are available depending on customer preference.



The Peterson 5900 brings the legendary Peterson durability and performance to whole tree chipping!

The 5900 is designed with a minimum of complication for reliable low cost long term operation. The chipper disc is directly driven from a high-capacity dry-disc clutch and belts. This avoids the complication and maintenance of a gear box. The six-cylinder Caterpillar C18 engine is more economical and requires less maintenance than twelve-cylinder engines.

Daily and monthly servicing is readily performed from the convenient platforms around the engine and chipper. Air cleaner and oil filters are conveniently located. Peterson's Adaptive Cooling system is utilized to adjust the fan pitch to match the engine cooling requirements. At full pitch the fan power requirement is 53 HP (39.5 kW) so adjusting the fan pitch depending on the cooling requirements can significantly reduce fuel costs over the life of the machine. Cooling air is directed over the engine to minimize any dust build up on the engine.

A twelve channel radio remote control permits control of the 5900 by the loader operator. The machine can be also controlled from the control box on the chipper.

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



Pair the 5900 with a Peterson 4800E delimeter/debarker and convert your whole tree chipper into a portable chip plant!

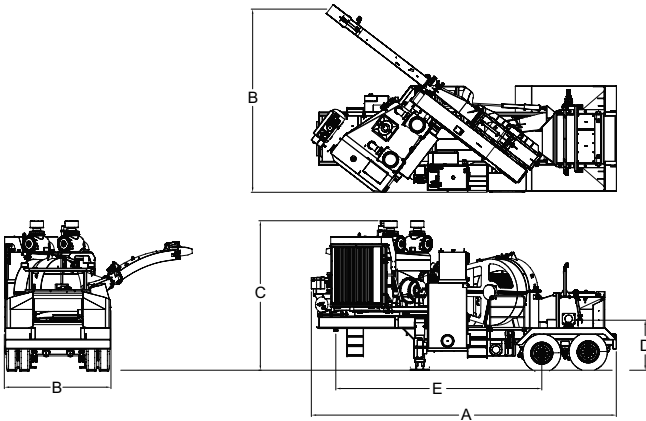


Peterson™

5900

General Dimensions

A Length	26'-10" (8179mm)
B Operating Width	16'-1 1/2" (4914mm)
Travel Width	9'-4 1/2" (2857mm)
C Height	13'-1 3/4" (4007mm)
D Feed Height	4'-4 3/4" (1341mm)
E Hitch to axle	18'-1 1/2" (5524mm)



Trailer

Dual oil bath axles – 4'-1" (1.2 m) spread
Dual steel belted tires – 275/80R-22.5
10 hole Budd style wheels
Two hydraulic outriggers
Weight – 43,990 lbs (19,953 kg)

Power Unit

Caterpillar Model C-18, 765 HP
Twin Disk 318 clutch
300 US gallon (1136 liter) fuel tank

Feed System

One floating hydraulically driven feed roll
One fixed hydraulically driven feed roll

Chipper

Heavy duty three pocket chipper disk, 66 in. (168 cm) dia.
Standard three knife chipper disk configuration
53 inch (1346 mm) chipper sheave
Side loading chip chute with hydraulic fold cylinder
Hydraulic swivel discharge spout
Dirt separator removes contaminants, overs, fines, and slivers

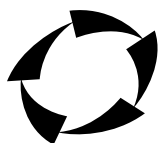
Hydraulic System

Tank capacity: 90 US gallons (341 liters)
Pressure compensated, and vane pumps
Filter system: Six micron return filter, ten micron breather

Options

Four knife chipper disk
Babbit or Key Knife® chipper knives
60 inch (1524 mm) chipper sheave
65 inch (1651 mm) chipper sheave
Fire suppression system
Auxiliary air compressor
Night operation lights
Tail light harness (Canada)

Specifications subject to change without notice



Peterson

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Find out more about the entire Peterson product line at: