

**Disc Chipper
Flail Delimber
Debarker**

**High quality in-
field pulpwood
chipping plant**

Model 5000H

The Peterson 5000H disc chipper-delimber-debarker produces high quality low bark content chips for wood pulp and pellets, processing whole trees in one continuous operation. The 5000H continues with many of the same high quality chipping components of the successful 5000G model. The large feed throat, which can accept up to a 23 inch (563 mm) diameter tree or multiple smaller stems, is achieved by placing the anvil and transition in the chipper.

The standard three-pocket disc can produce chips from 0.625 to 1.25 inches (16-32mm) long, while the optional four-pocket disc can produce chips from 0.5 to 1.0 inches (13-25 mm) long. Chipping production rates up to 100 tons (90 tonnes) per hour can be achieved, depending on chip size and wood characteristics. Peterson's heavy-duty 66 inch (1676 mm) diameter, 4.75 inch (121 mm) thick chipper disc has a replaceable 0.5 inch (13 mm) wear plate. This disc diameter makes a good match of high production and consistent chip quality. Larger discs have greater speed differential between inner and outer portions of the chipping knives, producing lower levels of acceptable chips. Traditional babbitt-type knives or Key Knife components are available, depending on customer preference. The Tier II C27 and C32 Caterpillar engines are more fuel-efficient than previous engines of equivalent power. A heavy-duty wet clutch helps assure smooth, continuous power transfer to drive the chipper. The hydraulic system uses efficient pressure-compensated, load sensing hydraulic components with most systems.



The 5000H produces top-quality chips with the flexibility of locating at the fiber source

The new flail drives provide more power and peak torque for improved delimiting and reduced bark content. The fully redesigned, high visibility, weatherized cab is more convenient to reach, and is designed to meet the latest OSHA standards. Ergonomically designed electronic joystick controls enable precise operator control over the two-section knuckle-boom log loader, while controls for the variable speed flails and discharge spout positioning are readily at hand. Top or end-loading chip spouts are available, including a high rotation long spout. Peterson's Adaptive Controls provide intuitive interfaces, a large LCD display, and handy readouts to provide the operator with information to more efficiently make chips. On-screen maintenance instructions and self-diagnostic features increase up-time. Maintenance schedules and check lists are easily viewable on-screen in the cab. An optional on-board modem permits remote diagnostics and monitoring of many machine parameters.

Peterson's Adaptive Cooling System adjusts the fan speed to match cooling requirements. Fuel cost savings can be significant over the life of the machine. Daily and monthly servicing are readily performed from the convenient platforms and walkways around the engine and chipper.

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



The Peterson 5000H features an intuitive control system monitored via an LCD display



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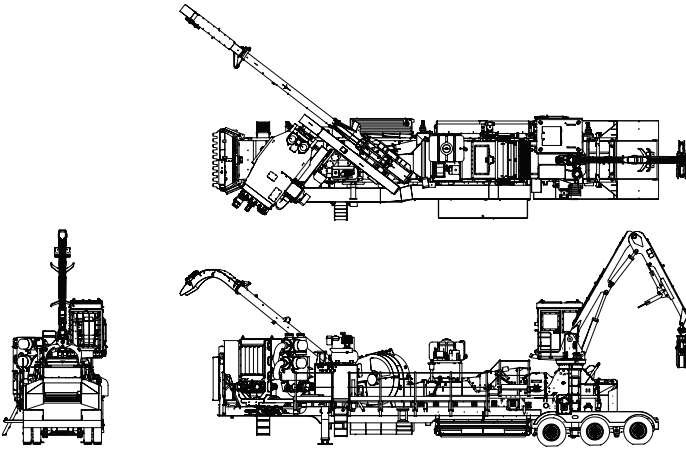


5000H

General Dimensions

Length – Operational	51'-3¼" (15627mm)
Length – Travel	53'-5½" (16296mm)
Width – Operational	11'-8½" (3572mm)
Width – Travel	11'-7¼" (3537mm)
Height – Travel	13'-6" (4113mm)
5th Wheel Height	4'-1½" (1257mm)

depending on options



Powertrain

Engine	Caterpillar C27 or C32 Tier II
Horsepower	C27 @ 950hp (708kW) or 1050hp (783kW) C32 @ 950hp (708kW), 1125hp (839kW) or 1200hp (895kW)
Clutch	PT Tech HPTO 15
Fuel Tank Capacity	375 gal (1420L)
Hydraulic Tank Capacity	320 gal (1211L)

Delimber/Debarker

Dual Horizontal Flail Drums	78 Chain Link Capacity
Dual Feed Rolls with Floating top Rolls - Debarker and Chipper	
7 Powered lower feed rolls	
Side Discharge Bark Mover	10' x 21" (3.05m x 445mm)
Variable Flail Speed, adjustable from cab	

Chipper

Heavy Duty Three or Four Pocket Chipper Disk	66" (1676mm) dia.
Babbit Knife or Key Knife System	
Top or End Loading Hydraulic Swivel chip spouts	
Chipper Drive Sheave	53" (1346mm), 60" (1524mm) or 65" (1651mm) dia.

Log Loader

Hydraulic two-section knuckle boom	26'-10" (8180 mm)
42" (1067mm) continuous rotation grapple with heel rack	
Two Lever Electronic Joystick Controls	
Enclosed Weatherized Operator's Cab	
Pressurized cab with Air conditioner with Diesel fired heater	
Lift Capacity: 11,851lbs (5376kg) at 15' (4572mm)	

Axel/Suspension

Axle Spacing	60" (1524mm)
5th Wheel Weight*	43,340 lbs (19659 kg)
Tri-Axle Weight*	58,860 lbs (26,699 kg)
Total Weight*	102,200 lbs (46,367 kg)
Ground Clearance**	13" (330mm)

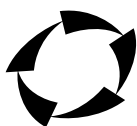
*based on 3 flail long spout machine

**based on standard bark pusher

Other Optional Equipment

Large Capacity Bark Pusher	10' wide x 24" (3.05m x 609mm)
High Rotation Long Spout	
Extended Frame	3' (914mm) longer
Electric or Diesel Fired Cold Weather Kits	
Auxiliary Air Compressor	
Fire Suppression System, Manual/Automatic	
Canadian Travel Harness	
Optional Lower Flail Positions	
Lower and Upper Chain Curtain	
Third Flail	
Black Urethane Flail Liners	
Night Operation Lights	

Specifications subject to change without notice



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Find out more about the entire Peterson product line at: