The Peterson 5000H Delimber Debarker Chipper

Top quality chips with the flexibility of chipping at the fiber source

The Peterson 5000H Delimber Debarker Disc Chipper produces high quality low bark content chips for wood pulp and pellets, processing whole trees in one continuous operation. Equipped with a large feed throat, the 5000H can accept up to a 23-inch (56 cm) diameter single tree or multiple smaller stems.

The 5000H can be configured with a three or four pocket disc, with several optional sheave sizes to make precisely the chip you need. The standard three-pocket disc produces chips from 58 to 1-1/4 inches (16–32 mm) long, while the optional four-pocket disc produces chips from 1/2 to 1 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 diameter, 4 3/4 inch thick (168 x12 cm) chipper disc has replaceable 1/2 inch (13 mm) wear plates. Traditional babbit-type knives or Key Knife components are available.

The Tier II C27 and C32 Caterpillar engines are more fuel-efficient than previous engines of equivalent power. The adaptive cooling system adjusts the fan speed to match cooling requirements. Fuel cost savings can be significant over the life of the machine.

Since 1981, Peterson has specialized in the developing of delivery and processing equipment that turns low-grade organic materials into high value products.
## 5000H Specifications

### Dimensions

| A | Length from Bumper to Bumper | 51’3” (1563 cm) |
| B | Operating Width | 11’9” (357 cm) |
| C | Travel Length | 53’6” (1630 cm) |
| D | Travel Width | 11’7” (354 cm) |
| D  | Travel Height (not shown) | 13’6” (411 cm) |
| E | Front to 5th Wheel | 2’2” (1271 cm) |
| F | 5th Wheel to Center Axle | 41’9” (1271 cm) |
| G | Axle Spacing | 60” (152 cm) |
| H | 5th Wheel Height | 4’2” (126 cm) |
| I | Ground Clearance (with standard bark pusher) | 13” (33 cm) |

### Weights

| A | Tri-Axle Weight | 59,960 lbs (27 197 kg) |
| B | 5th Wheel Weight* | 45,000 lbs (20 412 kg) |
| | Total Weight* | 103,500 lbs (46 947 kg) |

*Varies based on optional equipment and machine configuration.

### Powertrain

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

### Delimber/Debarker

- **Dual Horizontal Flail Drums**: 78 Chain Link Capacity
- **Dual Feed Rolls with Floating top Rolls**: Debarker and Chipper
- **Lower Feed Rolls**: zt7 powered
- **Side Discharge Bark Mover**: 10’ x 21” (305 cm x 45 cm)
- **Variable Flail Speed**: adjustable from cab

### Chipper

- **Chipper Disc**: heavy duty, 66” (168 cm) diameter
- **Knife Pockets**: 3 or 4 pockets
- **Knife Type**: babbit or Key Knife
- **Chip Spouts**: Hydraulic Swivel Top or End Loading

### Log Loader

- **Hydraulic two-section Knuckle Boom**: 26’10” (818 cm)
- **Continuous Rotation Grapple with Heel Rack**: 42” (107 cm)
- **Lift Capacity**: 11,851 lbs (5376 kg) at 15’ (457 cm)
- **Controls**: Two Lever Electronic Joystick with Air Conditioner

### System Controls

- **Peterson Adaptive Control System**
- **Radio Remote**

### Optional Equipment*

- **Large Capacity Bark Pusher**: 10’ wide x 24” (305 cm x 61 cm)
- **High Rotation Long Spout**: 2’ (60 cm) longer
- **Extended Frame**: 2’ (60 cm) longer
- **Electric or Diesel Fired Cold Weather Kits**
- **Auxiliary Air Compressor**
- **Fire Suppression System (manual and automatic)**
- **Canadian Travel Harness**
- **Optional Lower Flail Positions**
- **Lower and Upper Chain Curtain**
- **Third Flail**
- **Black Urethane Flail Liners**
- **Night Operation Lights**

*Optional equipment may effect dimensions and weight.

Measurements are rounded to the nearest whole increment. Specifications subject to change without notice.

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**PETRSON 5000 SERIES CHIPPERS**

**PETRSON an Astec Industries Company**

P.O. Box 40490 • Eugene, OR 97404 • Tel 800.268.6520 Fax 541.689.0804 • www.petersoncorp.com

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