

5050H Delimber Debarker Chipper

Clean pulp and paper chips made with electric power



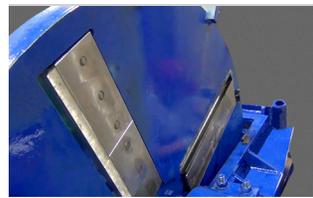
Maximum Power with High Torque Electric Motors

The 5050H's crusher-duty electric motors have a rugged cast-iron frame and feature dynamically balanced die-cast aluminum rotors for durability and long wear.



Easy-to-Service Chain Flails and Replaceable Wear Liners

Upper and lower chain flails strip bark and limbs from the stems, replaceable UHMW wear liners protect the flail housing sidewalls.



Two chipper disc and knife systems available

Peterson disc chippers come with three or four pocket, 66" (167 cm) diameter chipper discs with traditional Babbitted knife systems, or Key Knife™ systems.



A high visibility, weatherized cab meets OSHA Standards

Ergonomic joystick controls provide precise control of the two-section knuckle-boom log loader. End loading or top loading spouts are available.

The stationary, electric Peterson 5050H 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 5050H can accept up to a 23-inch (56 cm) diameter single tree or multiple smaller stems.

The 5050H 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 5/8 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 150 tons (136 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 x 12 cm) chipper disc has replaceable 1/2-inch (13 mm) wear plates.

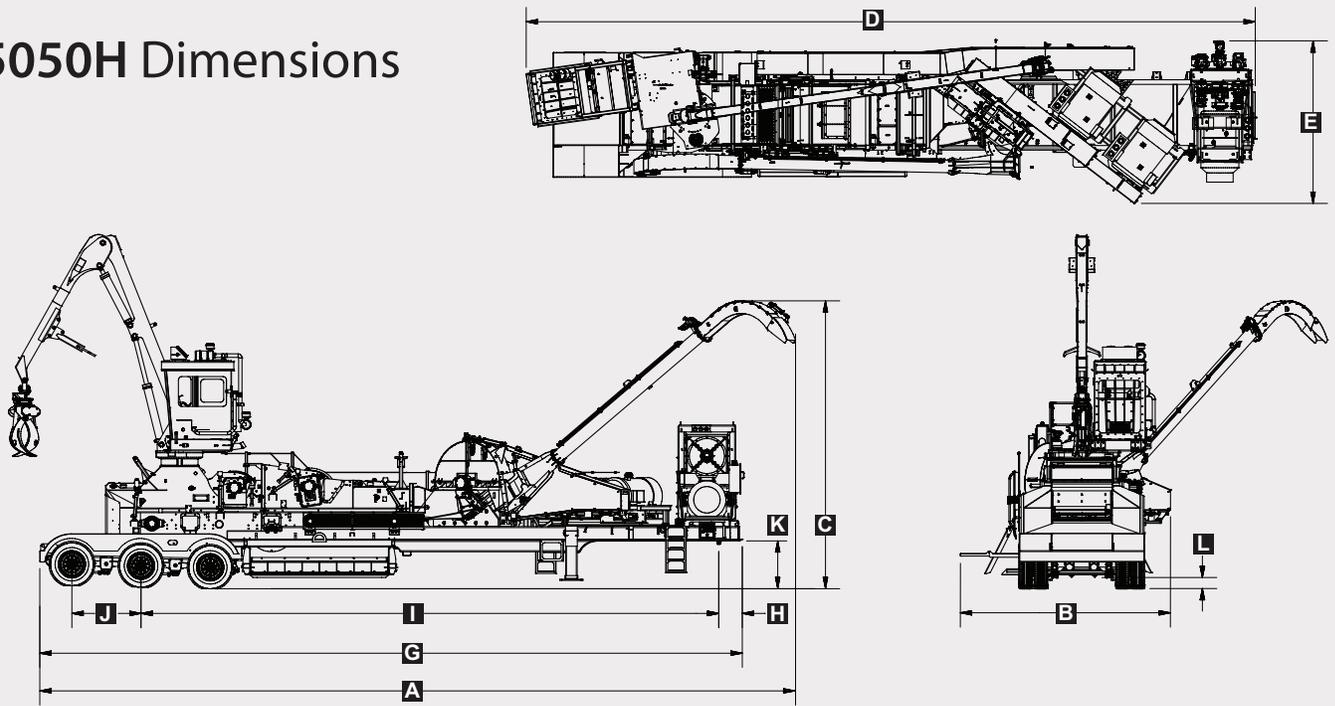
Traditional babbitt-type knives or Key Knife components are available.

The stationary 5050H can be configured from 600 to 1000 hp (447–745 kW) at the disc depending on the needs of your application. An additional 600 hp (447 kW) electric motor powers the needs of the hydraulic system.



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5050H Dimensions



5050H Specifications

Dimensions

A Operating Length	54'7" (1664 cm)
B Operating Width	15'2" (462 cm)
C Operating Height	20'10" (635 cm)
D Travel Length	52'9" (1608 cm)
E Travel Width	11'9" (358 cm)
F Travel Height (not shown)	13'6" (411 cm)
G Frame Length	50'9" (1547 cm)
H Front to 5th Wheel	1'8" (51 cm)
I 5th Wheel to Center Axle	41'9" (1273 cm)
J Axle Spacing	60" (152 cm)
K 5th Wheel Height	4'2" (127 cm)
L Ground Clearance	13" (33 cm)

Weights

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

**Varies based on optional equipment and configuration*

Powertrain

Electric Power	USA: 460 VAC, 60 Hz, 3-phase Europe : 400 VAC, 50 Hz, 3-phase Canada: 575 VAC, 60 Hz, 3-phase
Disc Motors	crusher duty, 1x 600 hp (447 kW) crusher duty, 2x 400 hp (597 kW) crusher duty, 2x 500 hp (745 kW)
Hydraulic Motor*	pump duty, 1x 600 hp (447 kW)
Main Hydraulic Tank Capacity	300 gal (1135 L)

**Does not include soft start and switching gear*

Feed System

Maximum Log Diameter	23" (56 cm)
Feed Opening	53" w x 24" h (133 x 61 cm)
Feed Rolls	dual with floating top rolls
Lower Feed Rolls	7 powered
Feed Speed Range	64 to 170 ft/min

Log Loader

Knuckle Boom	2-section, 26'10" (818 cm)
Grapple	360° rotation, 42" (107 cm)
Lift Capacity	11,851 lbs at 15' (5376 kg, 457 cm)
Controls	two lever electronic joystick

Delimber/Debarker Flail

Flail Drums	single lower and dual floating upper
Drum Diameter	11" (27 cm)
Flail Rods	6 per drum
Flail Chain per Drum	78 chains, 8 links each
Drive Type	hydrostatic
Flail Speed Range	400 to 700 rpm
Bark Pusher	120" x 24" (305 x 61 cm)

Chipper

Chipper Disc	heavy duty, 66" (168 cm) diameter
Knife Pockets	3 or 4 pockets
Knife System	Babbitt or Key Knife
Discharge Spout	hydraulic swivel top or end load
Chip Size	½" to 1 ¼" (13 to 32 mm)

System Controls

Operator's Cab	weatherized, air conditioned
console controls	log loader, flail, chipper
Control Program	Siemens or Allen Bradley
Peterson Adaptive Control System	

Optional Equipment*

- High Rotation Long Spout
 - Cold Weather Kits
 - Auxiliary Air Compressor
 - Fire Suppression System (manual and automatic)
 - Canadian Travel Harness
 - Additional Lower Flail with Optional Positions
 - Lower and Upper Chain Curtain
 - Black Urethane Flail Liners
 - Night Operation Lights
- *Optional equipment may affect dimensions and weight*

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

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