4300B Drum Chipper

The Peterson 4300B is designed for high volume biomass producers.





Superior Product Sizing

Peterson's secondary grate system provides ultra-consistent chip sizing; twigs and small stems which can be difficult to size are easily fractured through our innovative system.



Aggressive Feeding System A sloped feed deck and three strands of WHD 120 feed chain, paired with an aggressive feed roll make loading the 4300-series easy in all types of material.



Knife Assemblies: At The Heart of the Chipper

Produced from the highest quality alloy chromium steel, heavy-duty Peterson knife assemblies achieve uniform production of wood chips with high accepts and minimal losses.



Select From 6 or 12-Pocket Drum Styles

Featuring durable AR450 wear surfaces, the 4310B comes standard with a 6-pocket drum rotor with one Babbitted knife per pocket. A 12-pocket drum rotor is available for chipping microchips.

The 4300B drum chipper is suited for high volume biomass producers who have a wide variety of feed material, from logs up to 24 inches (66 cm) in diameter, to brush and small feed stock.

The 4300B is powered by a 765 HP (570 kW) C18 Caterpillar engine, and has an optional Tier IVi engine available. A PT Tech wet clutch has also been added to the machine. At 52,000 pounds (23,586 kg), the 4300B was designed for operations requiring high production and frequent moves between jobs.

The 4300B has two drum configurations, a 6-pocket drum to make standard biomass chips, or a 12-pocket drum to make microchips. An optional grate system has been



The 4300B in action.

redesigned to allow for adjustment from a microchip to a 1¼" chip with the same grates. Traditional babbit type knife systems are standard equipment, or an optional key knife system is available. Peterson's chip accelerator system, adds load density, or throws chips well away from the machine

for land clearing operations.

The chipper utilizes a 36 inch (914 mm) diameter by 40 inch (102 mm) wide drum. Other key features include a sloped feed deck for ease of feeding and wear resistant AR400 wear surfaces on the drum pockets and shell. The feed chain has been upgraded to WDH120 for improved strength and long life.

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



4300B Drawings





4300B Specifications

Dimensions

A Length	36'-1" (110 m)
B Height	12′(367 cm)
C Operating Width	11′-3½″ (344 cm)
D Travel Width	8'-4¾" (255 cm)
E Feed Length	8'-2¼" (250 cm)
F Feed Height	4'-1" (124 cm)
G Feed Conveyor Width	3′-4″ (103 cm)
H Front to 5th Wheel	2'-2¼" (67 cm)
I 5th Wheel to Center Axle	27'-8½" (845 cm)
J Axle Spacing	2'-2" (67 cm)
K 5th Wheel Clearance Radius	6′-8″ (203 cm)
L 5th Wheel Height	4′(122 cm)
M Operating Length	36.77' (1121 cm)

Weights

Machine Weight*	52,000 lbs (23,586 kg
(*approximate depending on configuration)	

Powertrain

EngineCaterpillar C18 or Tier IV C18Horsepower765 hp (570 kW) or 755 hp (563 kW)ClutchPT Tech HPT0 15 FXFuel Tank Capacity320 gallons (1211 L)Main Hydraulic Tank Capacity104 gallons (394 L)

Feed System

Drag Chain	3 Sections WDH120, 12' long x 37½" wide (366 x 95 cm)
Feed Opening	24' high x 40½" wide (61 x 103 cm)

Scan with your smartphone to see a video of the 4300B



28" diameter (71 cm)

Up to 120 ft/min (3657cm/min)

Internal Drive Compression Roll Feed Rate

Controls

Peterson Adaptive Control System Radio Remote

Chipper

Drum Chipper Knife Pockets 36" diameter x 44¾" wide (91 x 114 cm) 6 or 12 (staggered)

1/4" to 11/4" (6 to 32 mm) chip lengths

Super Singles 385/65R-22.5

2 standard

Suspension

Tires Hydraulic Stabilizers

Optional Equipment

Grate System with Chip Accelerator Rear Mount Landing Gear Auxiliary Air Compressor Multiple Knife Options

Production

60 to 120 tons per hour (59 to 109 metric tonnes) (Actual output may vary due to moisture content, material density, material size, support equipment, and grate size. Production rates are based on grinding 50 minutes per hour.)

Specifications subject to change without notice.

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