

**Peterson
Track Mounted
Drum Chipper**

4310 Drum Chipper

**For Biomass
Fuel Processing
Applications**



The Track Mounted 4310 is Designed for Mobility in High Volume Biomass Production

The 4310 drum chipper is the latest in a long line of chipping and grinding machines produced by Peterson. The 4310 drum chipper is suited for high volume biomass producers who have a wide variety of feed material, from logs up to 24 inches (61 cm) in diameter to brush and small feed stock.

Powered by a C18 Caterpillar engine, the 4310 is available in two power ratings— 630 and 765 horsepower (470 and 570 kW). At 52,000 pounds (23600 kg), the track mounted 4310 is designed for operations requiring high production and frequent moves between jobs.

The chipper utilizes a 36 inch diameter by 44¾ inch (91 by 114 cm) wide drum. Other key

features include a sloped feed deck for ease of feeding the chipper and wear resistant AR450 wear surfaces on the drum pockets and shell. Optional material sizing grates further reduce oversize twigs and branches in the chips, and an optional chip accelerator helps with loading.

Traditional babbitt type knife systems are standard equipment. Chip length can be changed from ¼ to 1¼ inch (6 to 32 mm) by adjusting knife extension and feed speed. The end load spout is standard, and an optional top loading spout is available depending on your application.

The 4310's new generation of controls includes Peterson's high-production Adaptive Control System. The new control panel provides self-diagnosis for faulty sensors and open circuits. Fault indicators make troubleshooting easy. The 4310 control panel features an LCD display that provides the operator the complete engine and system parameters to simplify setup and efficiently operate the machine.

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



End Load Spout makes for Quick Loading



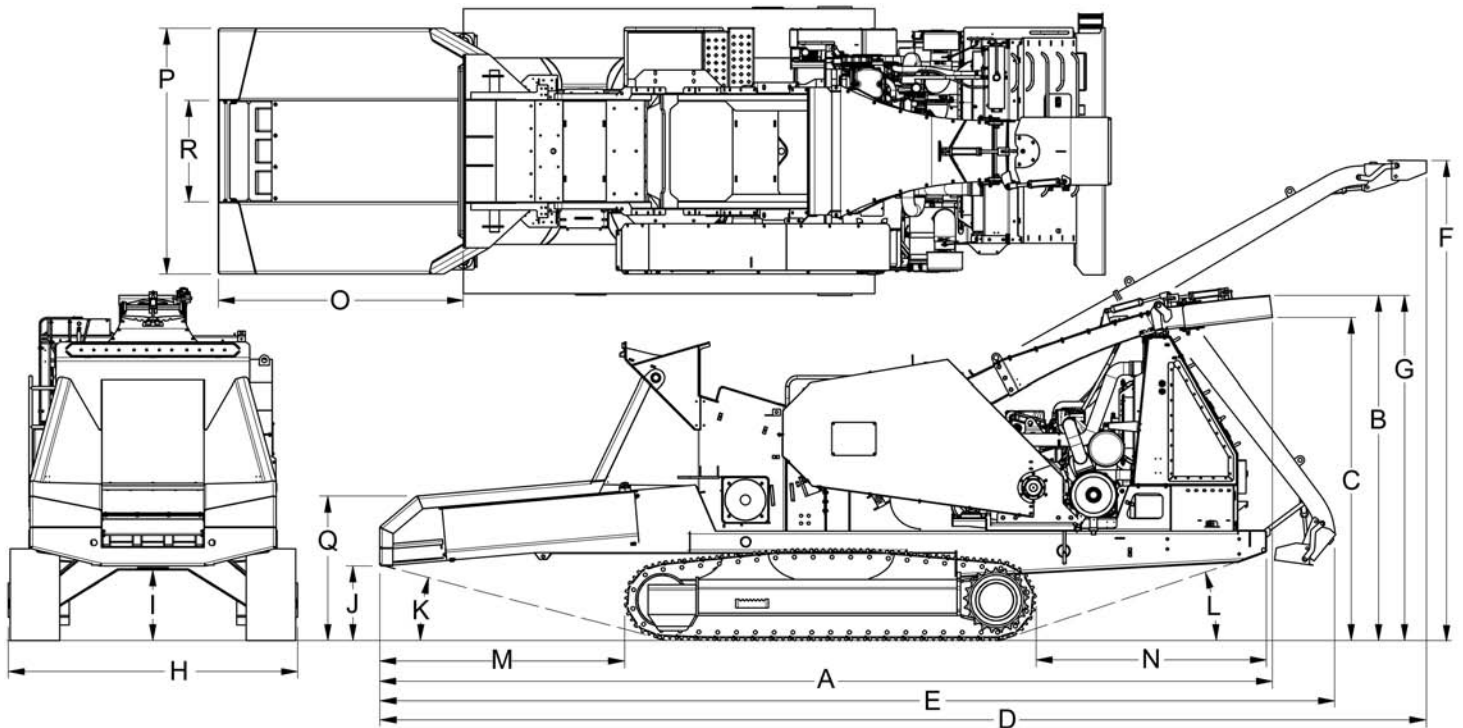
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4310 Track Drum Chipper Specifications



General Dimensions

A – Length with End Load Spout	29'-7" (900 cm)
B – Height with End Load Spout	11'-6" (350 cm)
C – Operating Height to Bottom of End Load Spout	10'-8" (326 cm)
D – Operating Length with Top Load Spout	34'-7" (1050 cm)
E – Travel Length with Top Load Spout	32'-3" (983 cm)
F – Operating Height with Top Load Spout	15'-10" (483 cm)
G – Travel Height with Top Load Spout	11'-6" (350 cm)
H – Width with 500 mm track pads	9'-7" (293 cm)
Width with optional 600 mm track pads	9'-10" (298 cm)
I – Ground Clearance	2'-4" (71 cm)
J – Front Ground Clearance	2'-6" (76 cm)
K – Front Clearance Angle	15 degree
L – Rear Clearance Angle	18 degree
M – Front Overhang	8'-1" (247 cm)
N – Rear Overhang	7'-7" (233 cm)
O – Hopper Length	8'-2" (250 cm)
P – Hopper Width	8'-2" (250 cm)
Q – Hopper Front Height	4'-10" (146 cm)
R – Feed Width	3'-5" (100 cm)
Weight (approximate depending on options)	52,000 lbs (23600 kg)

Powertrain

Engine	630, 765 hp (470, 570 kW) Caterpillar C18
Clutch	Twin Disc 318 Straddle Bearing
Fuel Tank Capacity	280 gallons (1060 l)
Main Hydraulic Tank Capacity	90 gallons (341 l)

Controls

Peterson Adaptive Control System
Radio Remote

Feed System

Drag Chain 3 Sections WDH110, 11' long x 36¾" wide (335 x 93 cm)
Feed Opening 24" high x 40½" wide (61 x 103 cm)
Internal Drive Compression Roll 28" diameter (71 cm)
Feed Rate Up to 200 ft/min (6096 cm/min)

Chipper

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

Tracks

2 speed Hitachi ZX200-3 500 mm wide triple grouser track pads
Travel Speed 2.5 mph high, 1.3 mph low (4 kph high, 2 kph low)

Optional Equipment

Grate System with Chip Accelerator
Auxiliary Air Compressor
Multiple Knife Options ¼ to 1¼" (6 to 32 mm) chip lengths
Top Load Spout
Track Pads 600 mm wide double grouser

Production

50 to 150 tons per hour (45 to 136 tonnes) depending on wood species, chip size, and moisture content.

Specifications subject to change without notice

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