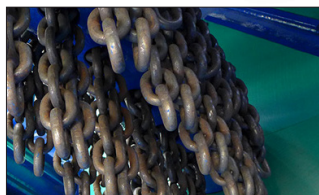


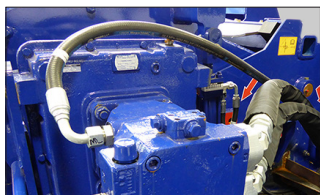
# 6830 Debarker

Pair with our Chipper for a complete portable chip plant solution.



## 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.



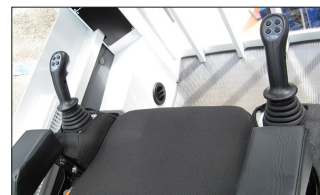
## Powerful Gear Boxes

The 6830 utilizes high torque gearboxes to drive the upper and lower chain flails for efficient bark and branch removal.



## High Capacity Bark Pusher

The wide 12'x24" (366 cm x 61 cm) opening with a 10-second stroke removes the bark and limbs efficiently from the debarking chamber.



## A High Visibility, Weatherized Cab Meets OSHA Standards

Ergonomic joystick controls provide precise control of the two-section knuckle-boom log loader.

**The Peterson 6830 Debarker is a dedicated chain flail debarking machine designed for long-stem chipping operations that require low bark or ash content.**

Designed for multiple stems, or trees up to 28" inches (71 cm) in diameter, the 6830 quickly and effectively debarks even the hardest feedstock.

Powered by a fully enclosed Caterpillar C18 engine rated at 765 hp (570 kW), the 6830 has the power to drive the 3 flail drums (a 4th flail is also available as an option). The two lower flails are fixed in location, and the upper flails float to match log diameter. The 10-link flail chain is easily replaced through access doors.



The operator is fully enclosed in a weather-proof cab, and operates the machine through electronic joystick controls. The 6830 is available with either a Peterson 170 or 220 log loader. The large 60 inch (152 cm) wide, by 30 inch (76 cm) tall feed opening makes loading the 6830 easy.

Two floating feed heads, and five fixed lower feed rolls control the log through the debarking chamber, and two rolls assist the

stems to exit the machine. The massive bark pusher removes the debarked debris to the side of the machine and can be configured to exit on either side depending on the needs of your operation.

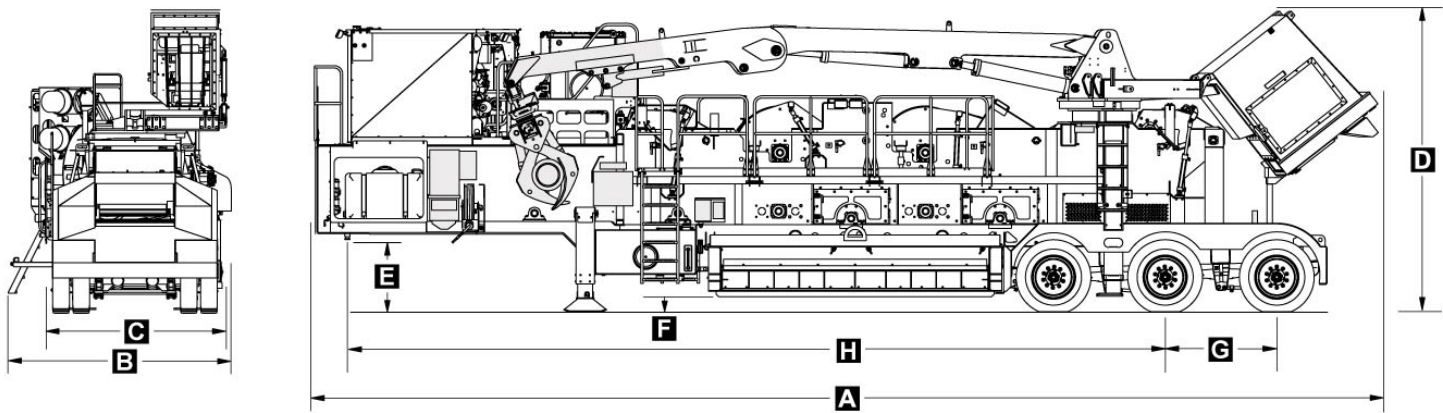
The 6830 is controlled by an IQAN operating system, which provides the operator with all critical engine and performance parameters. When paired with the Peterson Chipper, the operator can control both machines.

When combined with a Peterson Disc Chipper, the 6830 is the ultimate in-field clean chipping plant.



**Peterson**  
an Astec Industries Co.

# 6830 Drawings



## 6830 Specifications

### General Dimensions

A Operation and Travel Length	45'-3" (1379 cm)
B Operational Width	15'-1" (459 cm)
C Travel Width	10'-6" (320 cm)
D Travel Height	13'-9" (419 cm)
E Fifth Wheel Height	49½" (126 cm)
F Ground Clearance	10" (25 cm)
G Axle Spacing	60" (152 cm)
H 5th Wheel to Center Axle	36'-8" (1118 cm)

### Weight (with 4 flails)

Total Weight	108,650 lbs (49 283 kg)
Fifth Wheel Weight	47,750 lbs (21 659 kg)
Tridem Axle Weight	59,850 lbs (27 148 kg)

### Delimber/Debarker

One Upper Floating Flail	
Two Lower Fixed Flails	
Flail Drum Diameter	12" (30 cm)
Flail Rods/drum	6
Flail Chain/drum	⅝" (16 mm) x 10 links x 90
Drive Type	Hydrostatic
Flail Speed Range	100 to 550 rpm
Side Discharge Bark Mover	12 x 24" (366 x 61 cm)

### Powertrain

Engine	Cat C18 (Tier IV) 765 HP (570 kW)
Fuel Tank Capacity	330 gal (1249 L)
Hydraulic Tank Capacity	365 gal (1382 L)
Auto Reversing Fans	

### Log Loader – 170

Lift Capacity	11,851 lbs (5376 kg) at 15' (457 cm)
Two-section Knuckle Boom	25'-3" reach (770 cm)
Single Swing Motor	
42" (107 cm) Continuous Rotation Grapple with Heel Rack	
Electronic Joystick Controls, SAE	

Enclosed Weatherized Operator's Cab  
Pressurized Cab with AC and Heat

### Optional Log Loader – 220

Lift Capacity	14,705 lbs (6671 kg) at 15' (457 cm)
Two-section Knuckle Boom	27' reach (823 cm)
Dual Swing Motors (closed loop)	

### Feed System

Maximum Log Diameter	28" (71 cm)
Feed Opening	60" wide x 30" tall (152 x 76 cm)
Direct Drive Feed Rolls with Comb	
Smooth Plate Discharge with Lower Feed Roll	
Feed Height	55½" (141 cm)
Discharge Height	55½" (141 cm)
Feed Speed Range	up to 210 ft/min (64 m/min)
Two Direct Drive Lower Fixed Rollcase Rolls (longwood)	

### Controls

Peterson Adaptive Control System (IQAN)  
Optional Wireless Link with Peterson Chipper  
Display In Cab

### Optional Equipment

Fourth Upper Floating Flail (parallel lift)  
Eucalyptus Flail Drums  
Drag Chain Discharge  
Engine Cat C18 (Tier II) 765 HP (570 kW)  
Electric or Diesel Fired Cold Weather Kits  
Fire Suppression System, Manual or Automatic  
Export Lifting Eyes  
Night Operation Lights  
Export Fifth Wheel Pin  
Black Urethane Flail Liners  
Four Direct Drive Lower Fixed Rollcase Rolls  
*Specifications subject to change without notice*

Scan with your smartphone  
to see a video of the 6830



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