

4800F Chain Flail Debarker

The industry standard for removing bark for clean pulp and paper chips.



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 4800F utilizes high torque gearboxes to drive the upper and lower chain flails—providing 30% more torque than the previous model for efficient bark and branch removal.



IQAN Operating System

The robust and reliable IQAN operating system is easy to use and is weatherproof for the most extreme environments, providing self-diagnostics and engine and system parameters.



High Capacity Bark Pusher

The wide 60" (152 cm) by 19¾" opening with a 10 second stroke moves the bark and limbs efficiently from the debarking chamber.

Continuing Peterson's long history of innovation, this 6th generation design has the features that clean chip operations demand.

The Peterson 4800F multiple log delimber/debarker is designed to be used in tandem with whole tree chippers to produce high quality pulp chips. Capable of processing multiple logs from 2 to 23 inches (5–58 cm) in diameter, the 4800F increases productivity while reducing bark content, product handling time, and fiber loss.

Powered by a 350 HP (261 kW) CAT C9 Tier III or Tier IV engine, the

4800F meets all US, Canadian, and European Union emission regulations. Equipped with a dedicated 135 gallon (511 l) hydraulic oil tank, and a 175 gallon (662 l) fuel tank to allow the 4800F to run an entire shift without fill-up.

The 4800F features upper and lower flails, direct drive lower in-feed and out-feed rolls, and a floating direct drive upper feed roll. The high capacity bark pusher has been redesigned and is now 5 feet (1.5 m) wide.

With a retractable gooseneck, the highway legal 4800F is easily moved between jobs. The four fixed landing

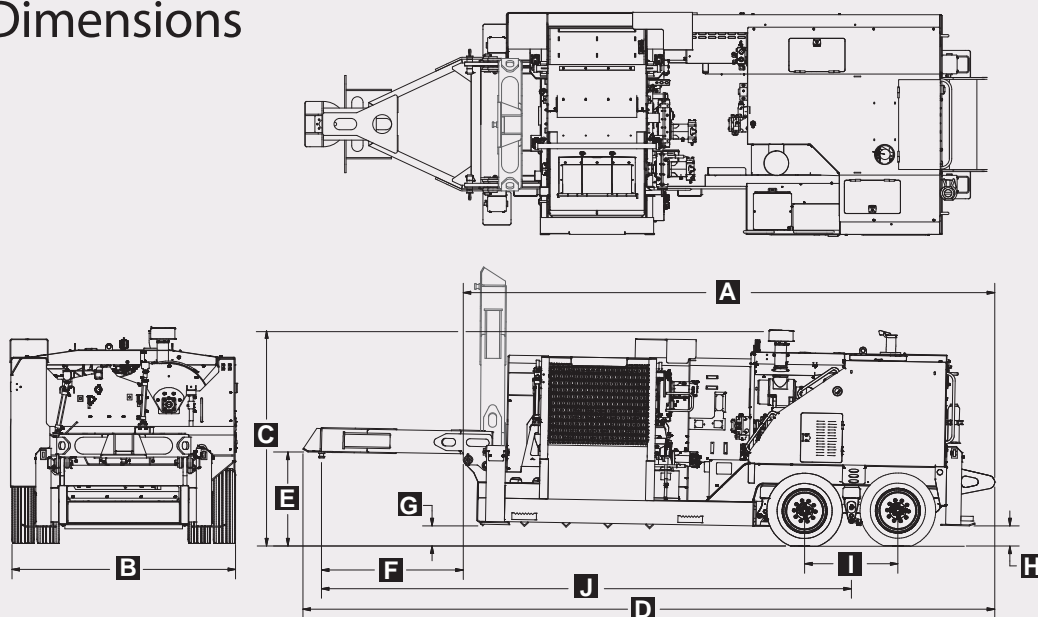
gear (with floating pads) allow for adjustable operating height. The 4800F links wirelessly with the 5900E disc chipper for singular control of feed functions.

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



Peterson
an Astec Industries Co.

4800F Dimensions



4800F Specifications

Dimensions

A Operating Length	23'-4¼" (7.1 m)
B Operating/Travel Width	9'-10" (300 cm)
C Operating Height	9'-6" (290 cm)
D Travel Length	30'-5" (9.3 m)
E 5th Wheel Height	49½" (125 cm)
F Ground Clearance (Front)	10⅝" (27 cm)
G Ground Clearance (Rear)	10¾" (27 cm)
H Axle Spacing	49½" (125 cm)
I 5th Wheel to Front	74¾" (190 cm)
J 5th Wheel to Center Axle	23'-3½" (7.1 m)
K Operating Height (Gooseneck folded up—Not shown)	11'-7" (3.5 m)

Weights

Total Weight	44,000 lbs (19 958 kg)
5th Wheel Weight	11,080 lbs (5 025 kg)
Tandem Axle Weight	31,580 lbs (14 325 kg)

Powertrain

Engine	CAT C9.3 Tier 3 or Tier 4
Horsepower	350 HP (261 kW)
Fuel Tank Capacity	175 gal (662 L)
Hydraulic Tank Capacity	135 gal (511 L)

Feed System

Maximum Log Diameter	23"
Feed Opening	52½" (133 cm) x 23" (58 cm)
Floating Direct Drive Upper Feed Roll	
Direct Drive Lower Fixed In & Out Feed Rolls	
Feed Height	55" (140 cm)

Scan with your smartphone
to see a video of the 4800F



Outfeed Height	62" (157 cm)
Feed Speed Range	up to 155 ft/min (47 m/min)

Delimber/Debarker

Upper and Lower Flail Drums	
Hydraulic Upper Flail Float	
Flail Drum Diameter	10½" (27 cm)
Flail Rods/Drum	6
Flail Chain/Drum	⅝" (16 mm) x 8 links x 78
Drive Type	Hydrostatic
Flail Speed Range	400 to 600 rpm
End Discharge Bark Mover	60" (152 cm) x 19¾" (50 cm)

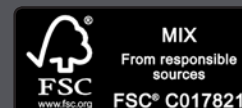
Controls

Peterson Adaptive Control System (IQAN)
Radio Remote Control

Optional Equipment

Electric Cold Weather Kit, Night Operation Lights, Export 5th Wheel Pin
Export Lifting Eyes, Super Single Tires, Optional Auto Engine Reversing Fan
Wireless Link to Peterson 5900E

Specifications subject to change without notice.



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