

Vermeer[®]
Brush Chipper

BC1800XL



Vermeer®

BC1800XL

Speed and large capacity equal high productivity.

When the jobsite calls for large-diameter chipping, look to the Vermeer BC1800XL brush chipper. Built with strength for demanding conditions, the BC1800XL possesses the power and features needed for land-clearing and tree-care operations.

To better serve the diverse application needs of contractors and municipalities, the BC1800XL is available with four Tier 3 diesel engine options – 115 hp (85.8 kW), 125 hp (93.2 kW), 140 hp (104.4 kW), and 170 hp (127.8 kW). A 20" x 24" (50.8 cm x 61 cm) infeed opening is equipped with vertical feed rollers with helical cleats to help hold material down against the feed table for reduced vibration and shock loading to the rear of the machine.

The BC1800XL also features the patented SmartFeed control system which monitors engine rpm and automatically stops or reverses the feed rollers when feeding large, hardwood material. With three SmartFeed settings to fit the project's specific needs, this advanced system can increase productivity while reducing strain on vital engine parts.



Help improve chipping productivity.

The SmartFeed system monitors engine rpm and automatically stops and / or reverses the feed rollers to enhance production. This system also senses feed-roller jams and manipulates the material automatically to reduce the need for manual-control bar use.



The 3-year / 3,000-hour extended limited warranty on drum housings, cutter drums, shaft, and ring feeder hubs offers you peace of mind, in addition to the 1-year / 1,000-hour Vermeer equipment limited warranty.



Easily lift heavy material.

An optional winch allows operators to move large logs effortlessly. The 150' (45.7 m) winch line can handle logs up to 2000 lb (907.2 kg) and can automatically lift the log onto the feed table.



Smooth feeding.

Vertical feed rollers with helical cleats help hold material firmly to the infeed table, which reduces vibration, shock, and structural loading to the rear of the machine.



Brush Chipper



Operator safety.

Combined with the patented Bottom Feed Stop Bar is a four-position upper-feed control bar with dual stop and forward / reverse feed positions. Mounted over the feed table, this control enables the operator to stop the feed rollers and select forward or reverse operations. Dual reset / hold-to-run buttons allow the operator to readily reset both bars.



Engine options to fit your needs.

With four engine options providing 115 hp (85.8 kW), 125 hp (93.2 kW), 140 hp (104.4 kW), or 170 hp (127.8 kW), contractors have the ability to choose an appropriate horsepower option based on their jobsite needs.



BC1800XL Specifications

General

- Length: 14.8' (4.5 m)
- Height: 10.3' (3.1 m)
- Width: 79.9" (203 cm)
- Weight (without winch and hydraulic jack): 8740 lb (3964.4 kg)
- Weight (with winch and hydraulic jack): 9270 lb (4204.8 kg)

Engine Options

- Make and model: John Deere PE4045THF285 Tier 3
- Horsepower: 115 hp (85.8 kW) @ 2400 rpm
- Max torque: 317 ft-lb (429.8 Nm) @ 1500 rpm
- Fuel type: Diesel
- Number of cylinders: 4
- Cooling medium: Liquid

- Make and model: John Deere PE4045THF285 Tier 3
- Horsepower: 125 hp (93.2 kW) @ 2400 rpm
- Max torque: 355 ft-lb (481.3 Nm) @ 1500 rpm
- Fuel type: Diesel
- Number of cylinders: 4
- Cooling medium: Liquid

- Make and model: John Deere PE4045THF285 Tier 3
- Horsepower: 140 hp (104.4 kW) @ 2400 rpm
- Max torque: 367 ft-lb (497.6 Nm) @ 1500 rpm
- Fuel type: Diesel
- Number of cylinders: 4
- Cooling medium: Liquid

- Make and model: Cummins QSB4.5 Tier 3
- Horsepower: 170 hp (127.8 kW) @ 2400 rpm
- Max torque: 460 ft-lb (623.7 Nm) @ 1500 rpm
- Fuel type: Diesel
- Number of cylinders: 4
- Cooling medium: Liquid

Electrical

- System voltage: 12 Volt DC, 65 Amp alternator
- Lights: Front, rear, side, brake and tail markers / lights

Capacities

- Fuel tank: 35 gal (132.5 L)
- Hydraulic tank: 12 gal (45.4 L)

Chassis

- Frame: C channel, C6"x 8.2 lb (3.7 kg)
- Tires: 235 / 75R17.5 Load Range J
- Axle / suspension: 10000 lb (4535 kg) Dexter rubber torsion
- Hitch: Pintle 2.375" (6 cm) diameter

Cutting System

- Disc / drum speed: 1100 rpm
- Drum size: 36" (91.1 cm) diameter
- Drum thickness: .375" (1 cm)
- Knives: 4 knives - 5.5" x 10" x .625" (14 x 25.4 x 1.6 cm)
- Bedknife: 4 sided - 3" x 20.25" x 1.25" (7.6 x 51.4 x 3.2 cm)
- Clutch: 13" (33 cm) spring-loaded auto clutch

Feed System

- Chipping capacity: 19" (48.3 cm)
- Infeed opening height: 24" (61 cm)
- Infeed opening width: 20" (50.8 cm)
- Feed table length: 62.5" (158.8 cm)
- Feed table height: 30.5" (77.5 cm)
- Feed roller style: Twin vertical, helical cleats
- Feed speed: 118 fpm (36 m / min)

Discharge System

- Discharge height: 110" (279.4 cm)
- Degree of rotation: 270 deg

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Vermeer parts are designed and manufactured to original specifications, so whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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