

BC1800XL BRUSH CHIPPER



CHIPPING PRODUCTIVITY. The SmartFeed system monitors engine rpm and automatically stops and 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 feed control bar use.



TAKE CONTROL. With the standard Tree Commander™ remote control, jobsite productivity is improved by allowing the operator to control brush chipper functions remotely. The remote can be attached to the operator's belt or held in an optional bracket mounted directly to the operator's station of a Vermeer mini skid steer.



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.



OPERATOR SAFETY. Mounted over the feed table, the four-position upper feed control bar enables the operator to stop the feed rollers and select forward or reverse. The patented bottom feed stop bar is strategically located to make it possible for an operator's leg to strike the bar and shut off the feed mechanism either intentionally or automatically in an emergency situation.

ECOIDLE™

ECOIDLE™ ENGINE CONTROL SYSTEM. When the EcoIdle function is selected by the operator, the engine speed automatically lowers to a preset rpm after one or five minutes of inactivity to help reduce fuel consumption when not chipping material. Due to this idling, noise and greenhouse emissions are also reduced.



EASILY LIFT HEAVY MATERIAL. An optional winch allows operators to move large logs effortlessly. The 150-ft (45.7-m) winch line has 2,000 lb (907.2 kg) pulling force and can automatically lift the log onto the feed table. With the chain choker detached it is also more easily attached to log than hook-on cable designs.

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GENERAL

Length: 177 in (449.6 cm)

Height: 107 in (271.8 cm)

Width: 78.5 in (199.4 cm)

Weight (without winch, hydraulic jack and hydraulic chute):
9,600 lb (4,354.5 kg)

Weight (with winch, hydraulic jack and hydraulic chute):
10,400 lb (4,717 kg)

ENGINE OPTION ONE

Make/model: John Deere Tier 4 Final 4045HFC09

Gross horsepower: 173 hp (129 kW)

Max torque: 492 ft-lb (667.1 Nm)

Fuel type: Diesel

Number of cylinders: 4

ENGINE OPTION TWO

Make/model: Cummins F3.8 Tier 4 Final

Gross horsepower: 134 hp (100 kW)

Max torque: 406 ft-lb (550 Nm)

Fuel type: Diesel

Number of cylinders: 4

ENGINE OPTION THREE (INTERNATIONAL)

Make/model: Cummins QSB4.5L Tier 3

Gross horsepower: 170 hp (127 kW)

Max torque: 460 ft-lb (623.7 Nm)

Fuel type: Diesel

Number of cylinders: 4

Contact your local Vermeer dealer for engine availability in your region.

FEED SYSTEM

Chipping capacity: 19 in (48.3 cm)

Infeed opening height: 24 in (61 cm)

Infeed opening width: 20 in (50.8 cm)

Feed roller orientation: Vertical

Feed table height: 34 in (86.4 cm)

Max feed speed: 117 fpm (35.7 m/min)

Feed roller dimensions: (Two) 23.5 in x 18 in (59.7 cm x 45.7 cm)

CUTTING SYSTEM

Drum speed: 1,100 rpm

Drum dimensions: 36 in (91.4 cm) diameter

Drum thickness: .5 in (12.7 mm)

Knives: 4 knives – 5.5 in x 10 in x .625 in (14 cm x 25.4 cm x 1.6 cm)

Shear bar: 4-sided – 3 in x 20.25 in x 1.25 in (7.6 cm x 51.4 cm x 3.2 cm)

Engagement system: Automotive-style clutch

CAPACITIES/ELECTRICAL

Fuel tank: 35 gal (132.5 L)

Hydraulic tank: 12 gal (45.4 L)

Max hydraulic flow: 6.3 gpm (23.8 L/min)

DEF tank: 5 gal (18.9 L)

Lights: LED front, rear, side, brake and taillights

CHASSIS/BRAKES

Frame: C channel, 7 in x 2.13 in (17.7 cm x 5.4 cm)

Tires: 235/75R17.5 load range H

Axle/suspension: 10,000 lb (4,535.9 kg) torsion

Hitch: Pintle

DISCHARGE SYSTEM

Discharge height: 107 in (271.8 cm)

Degree of rotation: 270°

OPTIONS

Extended warranty

Special paint

Planned maintenance

Vermeer Confidence Plus® asset protection program

Winch

Adjustable height discharge chute

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