

BC900XL BRUSH CHIPPER



OPERATOR SAFETY. Combined with the patented Bottom Feed Stop Bar is the four-position upper feed control bar with dual stop positions and forward/reverse feed positions. Mounted over the feed table, it 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 the bottom feed stop bar.



SMARTFEED. This patented system helps increase operator productivity while reducing strain on vital engine parts. The feedsensing control system monitors engine rpm and automatically stops and reverses the feed roller when feeding larger, hardwood material.



37 HP (27.6 KW) GAS ENGINE. The BC900XL is equipped with a Kohler Command CH1000 gas engine with no-spill oil filter change, providing 37 hp (27.6 kW) to process branches and ease of serviceability.



LARGE RECTANGULAR FEED OPENING. The large feed opening helps boost productivity by reducing the need to trim heavily branched material before feeding it into the chipper.



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BC1000XL GAS BRUSH CHIPPER



SMARTFEED. A patented feed-sensing control system which monitors engine rpm and automatically stops and reverses feed rollers when feeding large, hardwood material. With a simple switch, an operator can choose between three rpm droop settings to fit the specific job application.



ELECTRONIC FUEL INJECTION (EFI) ENGINE. An 89 hp (66.4 kW) EFI GM engine performs well during cold-weather starts, provides improved fuel economy over comparable carbureted gas engines and increased/faster engine response under load.

ECOIDLE™

ECOIDLE™ ENGINE CONTROL SYSTEM.

The Ecolidle engine control system can help consume less fuel if the feeding process has frequent interruptions, and also aid in noise reduction.



LARGE FEED OPENING. The BC1000XL features a 12" (30.5 cm) tall and 17" (43.2 cm) wide infeed opening. This design can help boost productivity by decreasing the amount of trim cuts needed prior to processing.



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BC1000XL GAS BRUSH CHIPPER

GENERAL DIMENSIONS AND WEIGHTS

Length: 12.5' (3.8 m)
Height: 101" (256.5 cm)
Width: 66.5" (168.9 cm)
Weight: 4680 lb (2122.8 kg)

ENGINE OPTIONS

Make and model: GM 3L EFI
Horsepower: 89 hp (66.4 kW)
Max torque: 142 ft-lb (192.5 Nm)
Fuel type: Unleaded and E10 gasoline
Number of cylinders: 4
Cooling medium: Liquid

ELECTRICAL

System voltage: 12 V
Trailer lights: LED

CAPACITIES

Fuel tank: 20 gal (75.7 L)
Hydraulic tank: 7 gal (26.5 L)

CHASSIS

Frame: .25" x 7" (.6 cm x 17.8 cm) Z-channel
Tires: ST235/80/R16 Load Range E
Axle/Suspension: 5200 lb (2358.7 kg) Dexter rubber torsion
Optional axle/suspension: 7000 lb (3175.1 kg)
Hitch: Pintle

CUTTING SYSTEM

Disc/Drum speed: 2220 rpm
Drum size: 20" (50.8 cm) diameter
Drum thickness: .4" (1 cm)
Knives: 2 knives – 6" x 4.5" x 9" (1.6 cm x 11.4 cm x 22.9 cm)
Bedknife: 4 sided – 3.5" x 17.3" (8.9 cm x 43.8 cm)
Clutch: Clutchless PTO

FEED SYSTEM

Chipping capacity: 12" (30.5 cm)
Infeed opening height: 12" (30.5 cm)
Infeed opening width: 17" (43.2 cm)
Feed table length: 32" (81.3 cm)
Feed table height: 12" (30.5 cm)
Feed roller style: Horizontal
Feed speed: 118 fpm (36 m/min)

DISCHARGE SYSTEM

Discharge height: 101" (256.5 cm)
Degree of rotation: 270 degrees

NOTES:

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BC1000XL TIER 4 FINAL BRUSH CHIPPER



OPERATOR SAFETY. Combined with the patented Bottom Feed Stop Bar is the four-position upper feed control bar with dual stop positions and forward/reverse feed positions. Mounted over the feed table, it 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 the Bottom Feed Stop Bar.



LARGE FEED OPENING. A large rectangular 12" x 17" (30.5 cm x 43.2 cm) feed opening helps boost productivity by reducing the need to trim material before feeding it into the chipper.

ECOIDLE™

ECOIDLE™ ENGINE CONTROL SYSTEM. The Ecolidle engine control system can help consume less fuel if the feeding process has frequent interruptions, and also aid in noise reduction.



SMARTFEED. The patented SmartFeed system helps increase operator productivity while reducing strain on vital engine parts. The feed-sensing control system monitors engine rpm and automatically stops and reverses the feed roller when feeding larger, hardwood material.



EXTENDED WARRANTY. The 3-year/3000-hour extended limited warranty on drum housing, cutter drum, shaft and ring-fetter hubs offers you peace of mind, in addition to the 1-year/1000-hour Vermeer equipment limited warranty.



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BC1000XL TIER 4 FINAL BRUSH CHIPPER

GENERAL

Weight (engine option one): 4995 lb (2265 kg)

Weight (engine option two): 4995 lb (2265 kg)

ENGINE OPTION ONE

Make and model: Deutz D2.9L Tier 4 Final

Horsepower: 49 hp (36.5 kW)

Max torque: 108 ft-lb (146.2 Nm)

Fuel type: Diesel

Number of cylinders: 4

Cooling medium: Liquid

ENGINE OPTION TWO

Make and model: Deutz TD2.9L Tier 4 Final

Horsepower: 74 hp (55.2 kW)

Max torque: 180 ft-lb (255 Nm)

Fuel type: Diesel

Number of cylinders: 4

Cooling medium: Liquid

CAPACITIES

Fuel tank: 25 gal (94.6 L)

Hydraulic tank: 7 gal (26.5 L)

ELECTRICAL

System voltage: 12 V

Lights: LED stop, turn, tail, license

CUTTING SYSTEM

Drum size: 20" dia. x 20" wide (50.8 cm dia. x 50.8 cm)

Speed: 2050 rpm

Knives: Two A8 chipper steel

Shear bar: Four usable edges

CHASSIS

Frame: .25" x 7" (.6 cm x 17.8 cm) Z channel

Tires (option 2): ST235/80/R16 Load Range E

Axle / suspension: Torsion

Optional Axle / suspension for engine option 2: 7000 lb (3175.1 kg)

Electric brakes with breakaway switch

FEED/DISCHARGE SYSTEM

Infeed throat / feed capacity: 12" x 17" (30.5 cm x 43.2 cm)

Infeed opening: 52" x 32" (132.1 cm x 81.3 cm)

Feed table length: 32" (81.3 cm)

Feed table height: 26" (66 cm)

Feed roller style: Single horizontal

Infeed rate: 105 fpm (32 m/min)

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BC1200XL TIER 4i (STAGE IIIB) BRUSH CHIPPER



DUAL HORIZONTAL OFFSET FEED ROLLERS.

Improve performance by aggressively grabbing and feeding material to the drum. The offset helps the upper feed roller climb over big logs or material with lots of branches and forks.



EASILY LIFTS 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 be used to lift the log onto the feed table.



TIER 4i (STAGE IIIB) ENGINE TO FIT

YOUR NEEDS. With a 120 hp (89.5 kW) Tier 4i (Stage IIIB), contractors have the ability to power through 12" (30.5 cm) material on their jobsite. A steel engine enclosure helps provide additional durability.



A CLUTCHLESS PTO SYSTEM.

Avoid premature wear to the belt-drive system by preventing high-speed engagement of the cutter drum with the clutchless PTO system. The throttle is integrated with the belt drive to help ensure the PTO can be engaged only while the engine is at low speed.



EXTENDED WARRANTY.

The 3-year/3000-hour extended limited warranty on drum housing, cutter drum, shaft and ring-fetter hubs offers you peace of mind, in addition to the 1-year/1000-hour Vermeer equipment limited warranty.



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BC1500 TIER 4i BRUSH CHIPPER



HELP IMPROVE CHIPPING PRODUCTIVITY.

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



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.



OPERATOR SAFETY. Combined with the patented Bottom Feed Stop Bar is a four-position upperfeed control bar with dual stop positions and forward/reverse feed positions. Mounted over the feed table, this 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.



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.

ECOIDLE™

ECOIDLE™ ENGINE CONTROL SYSTEM.

When the EcoIdle function is selected by the operator, the engine speed automatically lowers to a preset rpm after 60 seconds or 5 minutes of inactivity to help reduce fuel consumption when not chipping material. Due to this idling, noise and greenhouse emissions are also reduced.



EXTENDED WARRANTY.

The 3-year/3000-hour extended warranty on drum housings, cutter drums, shaft and ring-fetter hubs offers you peace of mind, in addition to the 1-year/1000-hour Vermeer equipment limited warranty.



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BC1800XL TIER 4i (STAGE IIIB) BRUSH CHIPPER



HELP IMPROVE 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 control bar use.



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.



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.

ECOIDLE™

ECOIDLE™ ENGINE CONTROL SYSTEM.

When the Ecolidle function is selected by the operator, the engine speed automatically lowers to a preset rpm after 60 seconds or 5 minutes of inactivity to help reduce fuel consumption when not chipping material. Due to this idling, noise and greenhouse emissions are also reduced.



EXTENDED WARRANTY.

The 3-year/3000-hour extended limited warranty on drum housings, cutter drums, shaft and ring-fetter hubs offers you peace of mind, in addition to the 1-year/1000-hour Vermeer equipment limited warranty.



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BC1800XL TIER 4i (STAGE IIIB) BRUSH CHIPPER

GENERAL

Length: 14.8' (4.5 m)

Height: 107" (271.8 cm)

Width: 78.5" (199.4 cm)

Weight (w/o winch and hydraulic jack): 9320 lb (4227.5 kg)

Weight (w/ winch and hydraulic jack): 9660 lb (4381.7 kg)

ELECTRICAL

System voltage: 12 V DC, 65 amp alternator

Lights: LED front, rear, side, brake and tail 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 (15.2 cm x 3.7 kg)

Tires: 235/75R17.5 Load Range J

Axle/Suspension: 10,000 lb (4535.9 kg) Rubber torsion with electric brakes

Hitch: Pintle 2.375" (6 cm) diameter

CUTTING SYSTEM

Disc/Drum speed: 1100 rpm

Drum size: 36" (91.4 cm) diameter

Drum thickness: .5" (1.3 cm)

Knives: 4 knives - 5.5" x 10" x .625" (14 cm x 25.4 cm x 1.6 cm)

Bedknife: 4 sided - 3" x 20.25" x 1.25" (7.6 cm x 51.4 cm x 3.2 cm)

Clutch: 13" (33 cm) spring-loaded automotive-style clutch

FEED SYSTEM

Chipping capacity: 19" (48 cm)

Infeed opening height: 24" (61 cm)

Infeed opening width: 20" (51 cm)

Feed table length: 62.5" (159 cm)

Feed table height: 34" (86.4 cm)

Feed roller style: Twin vertical, helical cleats

Feed speed: 117 fpm (36 m/min)

ENGINE OPTIONS

Make and model: John Deere Tier 4i (Stage IIIB) PE4045HFC92

Horsepower: 115 hp (85.8 kW) @ 2200 rpm

Max torque: 354 ft-lb (480 Nm) @ 1600 rpm

Fuel type: Diesel

Number of cylinders: 4

Cooling medium: Liquid

Make and model: John Deere Tier 4i (Stage IIIB) PE4045HFC92

Horsepower: 137 hp (102.2 kW) @ 2200 rpm

Max torque: 381ft-lb (516.6 Nm) @ 1600 rpm

Fuel type: Diesel

Number of cylinders: 4

Cooling medium: Liquid

Make and model: John Deere Tier 4i (Stage IIIB) PE4045HFC93

Horsepower: 173 hp (129 kW) @ 2200 rpm

Max torque: 476 ft-lb (645.4 Nm) @ 1600 rpm

Fuel type: Diesel

Number of cylinders: 4

Cooling medium: Liquid

DISCHARGE SYSTEM

Discharge height: 107" (271.8 cm)

Degree of rotation: 270 deg

BC2100XL BRUSH CHIPPER

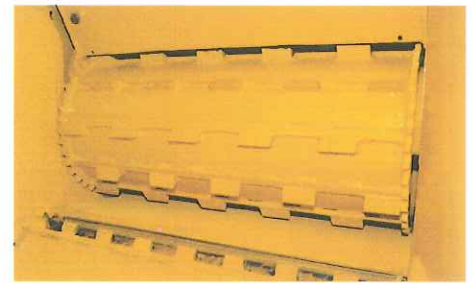


OPTIONAL PATENT-PENDING WINCH.

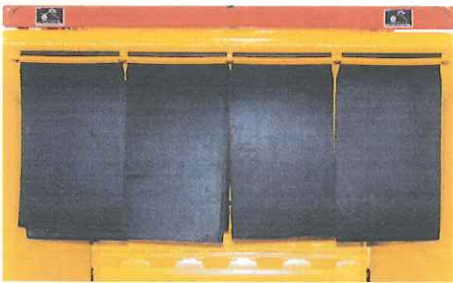
Eliminates the need to drag large material to the chipper. The 150' (45.7 m) winch line can handle material up to 4000 lb (1814.9 kg), making it easy to lift logs directly onto the feed table. In addition the winch can also be hydraulically raised out of the way to allow operators to feed the unit using a loader.



SMARTCRUSH. Once the upper feed roller freely raises for four seconds, it will automatically increase down pressure on the material being fed. This allows the upper feed roller to easily climb onto large forked material before the increased down pressure is applied for maximum pulling force.



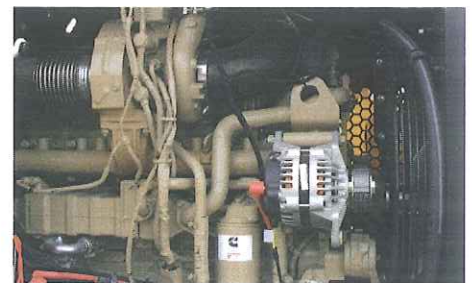
LOWER FEED ROLLER. The lower feed roller is offset from the upper feed roller by 11" (27.9 cm). Material is easily pulled to the upper feed roller, so there is less need to manually raise the upper feed roller for larger diameter material.



SMARTFEED. This patented system helps increase operator productivity while reducing strain on vital engine parts. The feedsensing control system monitors engine rpm and automatically stops and reverses the feed roller when feeding larger, hardwood material.



OPTIONAL REMOTE CONTROL. Operate one machine to load while still maintaining control of the chipper. The remote control operates forward, reverse and stop functions of the feed rollers, restarting the feed rollers, engine throttle, engine stop, crush boost for the upper feed roller and hydraulic discharge chute positions (if equipped).



POWERFUL PERFORMANCE.

A 275 hp (205.1 kW) Tier 3 or Tier 4i (Stage IIIB) engine allows you to not only meet emission requirements but also enough horsepower to meet your jobsite needs.

BC2100XL BRUSH CHIPPER

ENGINE OPTION 1

Weight (with outriggers) engine: 15,000 lb (6803.9 kg)
Weight (without outriggers) engine: 14,700 lb (6667.8 kg)
Weight (without outriggers and winch) engine: 16,380 lb (7429.8 kg)
Operational length (tongue extended): 259.2" (660 cm)
Width: 95.8" (243.2 cm)
Height (standard chute): 116.5" (295.9 cm)
Height (adjustable chute minimum): 110" (279.4 cm)
Height (adjustable chute maximum): 135.6" (344.4 cm)
Make and model: Tier 3 Cummins QSB 6.7L
Horsepower: 275 hp (205.1 kW); 730 ft-lb (990 Nm)
Fuel type: Low Sulfur Diesel
Number of cylinders: 6
Cooling medium: Liquid

ENGINE OPTION 2

Weight (with outriggers) engine: 15,500 lb (7030.7 kg)
Weight (without outriggers) engine: 15,200 lb (6894.6 kg)
Weight (without outriggers and winch) engine: 16,830 lb (7634 kg)
Operational length (tongue extended): 259.2" (660 cm)
Width: 95.8" (243.2 cm)
Height (standard chute): 116.5" (295.9 cm)
Height (adjustable chute minimum): 110" (279.4 cm)
Height (adjustable chute maximum): 135.6" (344.4 cm)
Make and model: Tier 4i (Stage IIIB) Cummins QSB 6.7L
Horsepower: 275 hp (205.1 kW); 730 ft-lb (990 Nm)
Fuel type: Ultra Low Sulfur Diesel
Number of cylinders: 6
Cooling medium: Liquid

ELECTRICAL

System voltage: 12 V DC

CAPACITIES

Fuel tank: 65 gal (246.1 L)
Hydraulic tank: 24 gal (90.9 L)

CHASSIS

Frame: C channel, 2.5" x 4.5" x .038" (6.3 cm x 11.4 cm x 0.1 cm)
Tires: 235 / 75R17.5 load range J Axle/Suspension: Dexter tandem torsion
Hitch: 3" (7.6 cm) pintle

CUTTING SYSTEM

Drum system: Spherical roller bearings
Drum speed: 1,084 rpm
Drum-size opening: 21.5" x 28" (54.6 cm x 71.1 cm)
Knives: 4 knives

FEED / DISCHARGE SYSTEM

Chipping capacity: 21" (53.3 cm)
Feed table height: 39" (99 cm)
Feed table length: 60.5" (153.7 cm)
Feed table width: 72" (182.9 cm)
Max feed speed: 100 fpm (30.5 m/min)
Number of feed rollers: 2 horizontal
Discharge height: 116.5" (295.9 cm)
Discharge chute rotation: 270°

OPTIONS

Adjustable height discharge chute
Remote control
Hydraulic outriggers
Hydraulic winch

WARRANTY

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

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