

QUOTATION

FROM

HENARD UTILITY PRODUCTS, INC.

P.O. Box 9238

SEARCY, ARKANSAS 72145

PHONE (501)268-1987 FAX (501)268-7437

INQUIRY NO. _____

DATE Dec. 9, 2002

TERMS _____

DELIVERY _____

PRICES ARE QUOTED F.O.B.

Jonesboro, AR.TO Jonesboro, City of
Mayor Hubert Brodeur

FR 870-933-4619

WE ARE PLEASED TO QUOTE AS FOLLOWS:

QUANTITY	DESCRIPTION	PRICE EA.	AMOUNT
1	Bandit 250XP 12" Brush Chipper, to include: 125HP Perkins diesel Pintle Hitch Painted Blue Quad wheel feed system New auto feed w/ feed sensing switch Hand Crank Swivel discharge Hand Crank height adjustable discharge New aluminum rims Hydraulic lift cylinder Live hydraulics Cone holder Chock holder mounted on fender Rubber wheel chocks Aluminum battery box Aluminum tool box Side inspection door on discharge Pneumatic caster wheel LED lights Fender marker flags	\$27,700. ⁰⁰	

QUOTED BY: Mike Henard

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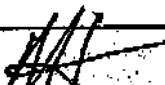
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Jonesboro, AR.TO Jonesboro, City of
Mayor Hubert BrodellFx 870-933-4619

WE ARE PLEASED TO QUOTE AS FOLLOWS:

QUANTITY	DESCRIPTION	PRICE EA.	AMOUNT
1	Bandit 250XP 12" Brush Chipper, to include: 125HP John Deere diesel Pintle Hitch Painted Yellow Quad Wheel Feed system Live Hydraulics Auto Feed Plus Hand Crank Swivel Discharge Hydraulic Winch HD Control Handle Brake Wire "S"	\$27,900. ⁰⁰	
*	New machine warranty Has about 20HRS ON IT. List Price w/FRT is \$33,020. ⁰⁰		
QUOTED BY: Mike Henard 			

BC1000XL

Brush Chipper



The Vermeer BC1000XL Brush Chipper – A Quiet, Productive Solution

The Vermeer BC1000XL brush chipper continues the Vermeer tradition of rugged reliability, safety, and innovative features to enhance productivity. This unit has all of the proven features and benefits of its predecessor – the BC1000 – but with an enlarged feed opening making it the ideal machine for line clearing operations, rental stores and municipalities.

At 12 x 17 inches (30 x 44 cm) wide, the BC1000XL has the largest feed opening in its class and the cutter drum provides the powerful cutting inertia to handle wood up to 12 inches (30 cm) in diameter. A patent pending clutchless PTO allows the drum to be engaged without using a traditional engine clutch, idler pulley, or sliding the engine. The absence of a clutch eliminates the possibility of expensive repairs caused by clutch abuse. This drive system applies zero side load to the engine which means less stress on the crank shaft and bearings.



Extensive steps have been taken to produce a quiet machine that fills the needs of customers for reduced sound and vibration. These include a patent pending clutchless PTO, rubber mounted engine and feed housing, rubber torsion suspension, a patent pending noise reducing design, and an optional sound abatement package.

Quietness has not been achieved at the expense of power. Equipped with an 85 HP (63 kw) Cummins diesel engine, the BC1000XL is the most powerful machine in its class. The split fiberglass engine hood provides easy access to engine components. Because serviceability was a major design consideration, service items have been made easily accessible, including the drive belt and pulleys, which can be reached through a hinged door. Once under the shield, belt changes are easily accomplished.

The Vermeer BC1000XL is equipped with a 69 inch (176.5 cm) long feed table following the Vermeer tradition of putting more distance between the operator and the feed roller system. The gear-driven discharge chute rotation allows for an infinite number of chute positions to accommodate any chip box. The Vermeer exclusive, patented AutoFeed II[®] system, which comes standard on the BC1000XL, automatically monitors and controls the feed-roller rotation by sensing engine load.

BC1000XL

Brush Chipper



General

Weight: 4210 lbs. (1910 kg) (std.)
Length: 168" (427 cm)
Width: 63" (160 cm)
Height: 97" (246 cm)

Feed roller style: single, 20" (51 cm) dia., horizontal
Infeed rate: 0-166 fpm (0-50.6 mpm)
Discharge height: 97" (246 cm)
Degree of rotation: 270°

Engine

Make/Model: Cummins B3.3 Turbo
Horsepower (gross): 85 HP (63 kw) @ 2600 RPM
Fuel type: Diesel
Cylinders: 4
Air cleaner: 2 stage-dry
Cooling medium: Liquid
Battery: 660 CCA

Chassis

Frame: .25" x 5" (.0 cm x 13 cm) fabricated Z-section
Tires: ST225/75R15 LRC (standard)
31x10.5 R15LT LRC (optional)
Axle/Suspension: 4500 lbs. (2041 kg) torsional rubber-type

Capacities

Fuel tank: 25 gal. (95 L)
Hydraulic tank: 7 gal. (26 L)

Electrical

System voltage: 12-volt
Lights: Stop, tail, turn, license, with brake, high-mounted

Cutting System

Drum size: 21" dia. x 17" wide (53 cm x 43 cm)
Speed: 2000 RPM
Knives: 4.5" x 9" x .625" (11.4 cm x 23 cm x 1.6 cm)
double-edge
Bodknife: 17.25" x 3.5" x 1" (43.8 cm x 8.9 cm x 3 cm) -
4-sided anvil

Feed/Discharge System

Infeed opening: 12" x 17" (30 cm x 43 cm)
Infeed length: 69.5" (176.5 cm)
Feed table width (max): 53.5" (136 cm)
Feed table length: 69.5" (176.5 cm)
Feed table height: 25.5" (64.8 cm)

Vermeer Manufacturing Company

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BRUSH CHIPPER

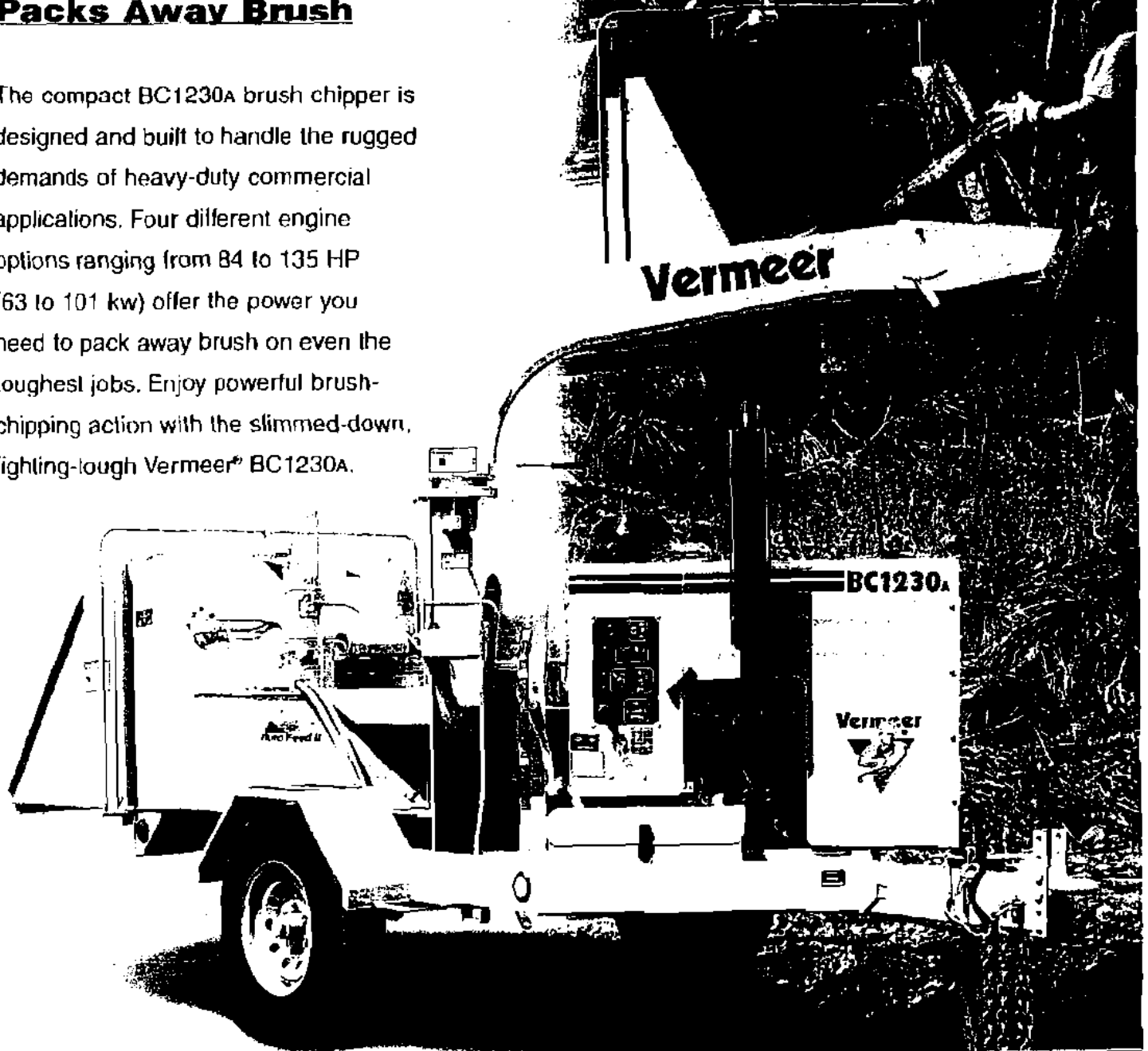
Vermeer



BC1230A

Powerful Brush-Chipping Action Packs Away Brush

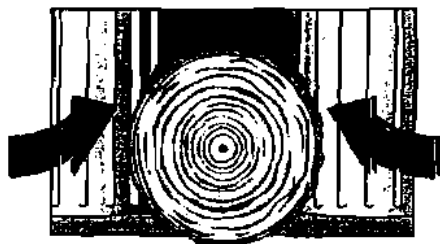
The compact BC1230A brush chipper is designed and built to handle the rugged demands of heavy-duty commercial applications. Four different engine options ranging from 84 to 135 HP (63 to 101 kw) offer the power you need to pack away brush on even the toughest jobs. Enjoy powerful brush-chipping action with the slimmed-down, fighting-tough Vermeer® BC1230A.



BC1230A Specifications



Feed tables help keep operators safer by positioning operators farther away from the cutting action. Designed for safety, Vermeer feed tables are nearly twice the length of some competitive units. A unique dual vertical feed roller design prevents the sudden uplifting of logs toward the operator.



The AutoFeed II® system automatically monitors and regulates feeding to help you increase productivity and, at the same time, decrease engine stress. This patented feature allows the operator to load the brush and walk away while the AutoFeed II system does the work.

Vermeer



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General

Weight: 5660 lbs. (2567 kg)
Length: 150" (381 cm)
Width: 79" (201 cm)
Height: 98" (249 cm)

Engine Options

Make/Model: Perkins® 1004-42 Natural
Horsepower — gross: 81 HP (63 kw) @ 2400 RPM
Type of fuel: Diesel
Cylinders: 4
Bore and stroke: 4.055" (10.3 cm), 5" (13 cm)
Displacement: 243 CID (3982 cc)

Make/Model: Perkins 1004-10T
Horsepower — gross: 110 HP (82 kw) @ 2400 RPM
Type of fuel: Diesel
Cylinders: 4
Bore and stroke: 3.937" (10.0 cm), 5" (13 cm)
Displacement: 243 CID (3982 cc)

Make/Model: GM 4.3L V6
Horsepower — gross: 135 HP (101 kw) @ 3000 RPM
Type of fuel: Gasoline
Cylinders: 6
Bore and stroke: 4.00" (10.2 cm), 3.48" (8.8 cm)
Displacement: 262 CID (4293 cc)

Capacities

Fuel tank: 25 gal. (95 L)
Hydraulic tank: 8.9 gal. (33.7 L)

Cutting System

Disc size: 41.25" dia. x 1.5" width (104.8 cm x 3.8 cm)
Speed: 950 RPM
Knives: Four .375" x 3.5" x 8" (1.0 cm x 8.9 cm x 20 cm)
Bedknife: 4-edge .75" x 6" x 11.88" A8 steel
(1.9 cm x 15 cm x 30.2 cm)

Feed/Discharge System

Infeed opening: 12" x 12" (30 cm x 30 cm)
Feed-table length: 68.5" (174.0 cm)
Feed-table height: 24" (61 cm)
Feed-roller style: Two 16.5" (41.9 cm) dia. vertical
Infeed rate: 0 – 143 fpm (0 – 44 mpm)

Chassis

Frame: 6" (15 cm) channel C6 x 8.2" (20.8 cm)
Tires: LT 235/85 R16
Axle/Suspension: 6000 lb (2722 kg) torsion axle

Electrical

System voltage: 12 volts
Lights: Turning, license, brake, side marker



TRAILER UNITS—SERIES 120 (12 INCH WIDE CUTTER HEAD)

MODEL	ENGINE	DRIVE	WEIGHT	CAPACITY	PRICE
K12F4	Ford 2.3 Liter 4 cyl. Gas	Clutch	3300 lbs.	8" Limbs	\$16,995.00
K12F6	Ford "300" 6 cyl. Gas	Clutch	3480 lbs.	8" Dia. Logs	\$16,989.00
K12P4D	Perkins No.4-236 4 cyl. Diesel	Clutch	3790 lbs.	8" Dia. Logs	\$17,698.00
X12JD4D	John Deere 4 cyl. Diesel	Clutch	3820 lbs	8" Dia. Logs	\$19,576.00

TRAILER UNITS—SERIES 160 (16 INCH WIDE CUTTER HEAD)

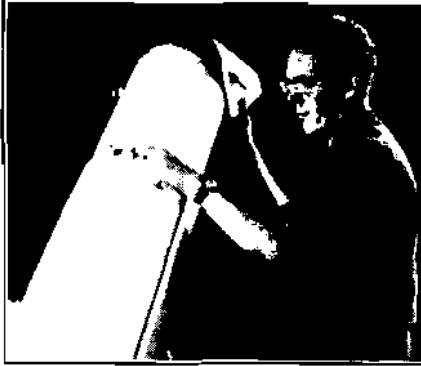
MODEL	ENGINE	DRIVE	WEIGHT	CAPACITY	PRICE
X K16F6	Ford "300" 6 cyl. Gas	Clutch	3730 lbs.	8" Dia. Logs	\$17,955.00
X K16P4D	Perkins No.4-236 4 cyl. Diesel	Clutch	4040 lbs.	8" Dia. Logs	\$19,195.00
K16JD4D	John Deere 4 cyl. Diesel	Clutch	4070 lbs	8" Dia. Logs	\$20,725.00
K16C4D	Cummins No.4-B 4 cyl. Diesel	Clutch	4095 lbs.	8" Dia. Logs	\$21,385.00



Staggered knife pattern

A series of short knives spaced about the rotating cylinder provides a smooth cutting action and a small, marketable chip. The knives which are sharp on both sides (top & bottom) are quickly and easily accessible for reversal or sharpening by lifting the hinged cover.

Telescoping Discharge Chute



The chute is adjustable to various heights, and rotatable a combination that means dump boxes can be filled quickly from corner to corner with minimum spill. An adjustable bonnet at the end of the chute also permits discharge to either side, or forward.

STANDARD FEATURES

ALL MODELS have 16" diameter solid steel Cutter Heads with attached air blowers.

Other standard features:

- Safety-lock pins help prevent the accidental throw-out of knives not properly tightened.
- Solid steel oversize cutterhead (16" in diameter) & staggered knives make for smooth cutting & small marketable chips.
- Integral rotor blower forces chips through discharge chute.
- Double-edged knives provide twice the cutting time between sharpening.
- Tilt type engine cover. Beveled fenders, chamber cover and engine cover.
- Fenders, belt guard, motor cover all undercoated to prevent rust.
- Easy loading is provided by the wide-angle feed chute which is free of obstructions.
- Feed chute folds to enclose the cutter chamber during storage or transportation. It is side hinged so it may be swung away for easy access to cutter chamber.
- Re-enforced steel frame with 8000 LBS. torsion spring rubber mounted axle to assure excellent roadability. Electric brakes with break-away switch.
- Brakes and lights comply with Federal D.O.T. regulations, and both are wired to the front for truck hookup.
- Battery and anti-freeze installed, ready to go to work.
- Adjustable front jack stand with flat landing foot, plus rear support stand.
- Necessary tools and manuals included.
- Feed chute folds to enclose the cutter chamber during storage or transportation. It is side hinged so it may be swung to either side for easy access to cutter chamber.

INTRODUCING NEW HYDRAULIC SELF FEEDING MITTS & MERRILL BRUSH CHIPPER (Manufactured By KARL KUEMMERLING INC.)STANDARD FEATURES: