



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**Request for  
 Quotation**

RFO NUMBER
DNR210174

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

VENDOR

**Fecon Incorporated**  
 3460 Grant Drive  
 Lebanon OH 45036

SHIP TO

DIVISION OF NATURAL RESOURCES  
 STONEWALL JACKSON STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 149 STATE PARK TRAIL  
 ROANOKE, WV 26447 304-269-0523

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/18/2010				

BID OPENING DATE: 04/14/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UQP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		765-85		
TRACTORS, CRAWLER TYPE  THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES IS SOLICITING BIDS FOR A FORESTRY GRADE COMPACT TRACK LOADER WITH THE ROTARY MULCHER ATTACHMENT PER THE ATTACHED SPECIFICATIONS.  ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. DEADLINE FOR TECHNICAL QUESTIONS IS 03/30/2010 AT 3:00 PM. ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.  BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.  NOTICE  A SIGNED BID MUST BE SUBMITTED TO:  DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						

RECEIVED  
 010 APR 13 A 10:16  
 PURCHASING DIVISION  
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFO, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
DNR210174

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SUPPLIER

DIVISION OF NATURAL RESOURCES  
 STONEWALL JACKSON STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 149 STATE PARK TRAIL  
 ROANOKE, WV  
 26447 304-269-0523

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/18/2010				

BID OPENING DATE: 04/14/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:  SEALED BID  BUYER: 44 RFQ. NO.: DNR210174 BID OPENING DATE: 04/14/10 BID OPENING TIME: 1:30 PM  PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 304-636-3516 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- Mark Haerless -----						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ. INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**DNR210174**  
**Stonewall Jackson Wildlife Management Area**  
**Purchase of Compact Track Loader with Rotary Mulcher Attachment**

The West Virginia Purchasing Division for the West Virginia Division of Natural Resources is requesting bids for the purchase of one (1) Forestry Grade Compact Track Loader with Rotary Mulcher Attachment. All items are to be F.O.B. Destination. Freight or delivery charges must be included in the price of the goods. Delivery must be made within thirty (30) days of purchase order award.

**General Specifications:**

The Forestry Grade Compact Track Loader with Rotary Mulcher Attachment must be manufactured for commercial use. All items must be new.

**Information for Bidders:**

Bidders must submit a unit price bid for each item to furnish all items specified.

**Damaged Items:**

Damaged or defective items must be replaced at no additional expense to The West Virginia Division of Natural Resources.

**Warranty:**

The equipment must be guaranteed to be free of defects in workmanship and material for a minimum of one (1) year from date of acceptance. However, if manufacturer warranty periods are longer than the required minimum one year warranty, those warranties shall apply.

**Forestry Grade Compact Track Loader with Rotary Mulcher Attachment**

ASV Model PT-100 Forestry Loader & ASV Model HD7460B Rotary Mulcher Attachment or equal. Forestry loader/rotary mulcher must meet the following specifications:

- 
- Must have a diesel engine with a minimum horsepower of 99 HP and a minimum peak torque of 300 ft-lb;
  - Must have general purpose tracks with minimum track width of 17 inches with a minimum ground contact area of 2,500 square inches;
  - Must have a hydrostatic powertrain;
  - Must have a heavy duty independent suspension of undercarriage;

**DNR210174**  
**Stonewall Jackson Wildlife Management Area**  
**Purchase of Compact Track Loader with Rotary Mulcher Attachment**

- **Must have pilot joystick controls;**
- **Must have a suspension seat with lap and shoulder belts and seat belt;**
- **Must have auxiliary hydraulic (quick connect fittings) with low flow maximum of 20 gpm and high flow maximum of 40 gpm;**
- **Must have an engine block heater;**
- **Must be ROPS/FOPS/OPS (certified);**
- **Must have indicators warning lights for engine oil pressure, hot hydraulic oil and low battery; voltage and a tachometer gauge, engine temperature gauge, and a fuel level gauge;**
- **Must have front and rear emergency exits and a heavy duty polycarbonate door and wiper;**
- **Must have light, hood, window, and condenser guards and skid plates;**
- **Must have a climate control system with high output with a/c, heat and service access;**
- **Must not exceed 13,000 lbs. (total weight) for entire package (track loader and mulcher attachment); and**
- **Must have a heavy duty rotary drum (quick attach) mulcher attachment which has a minimum cutting width of 60 inches and maximum outside width of 75 inches.**

**Forestry Loader/Mulcher to be delivered to the following location:**

*Stonewall Jackson Wildlife Management Area*

*Lewis County*

*114 Old Georgetown Road, Roanoke, WV*

*Contact: Gary Foster (304-637-0245) for delivery information*

---

### Forestry Mulcher Manufacturer's List

Please complete the below information concerning the brand(s) of equipment being bid in relation to this project. If bidding "or equal" brands, please attach manufacturer's literature documenting that it meets the mandatory requirements stated in the specifications. Vendors should note the areas of the provided manufacturer's literature that adheres to the mandatory requirements outlined in the Request for Quotation.

ITEM NO.	EQUIPMENT	MANUFACTURER	MODEL
1	ASV Model PT-100 Forestry Loader & ASV Model HD7460B Rotary Mulcher Attachment or Equal		

FORESTRY MULCHER  
PRICING SHEET

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	1	ASV Model PT-100 Forestry Loader & ASV Model HD7460B Rotary Mulcher Attachment or Equal		
			TOTAL COST	

MAR. 25. 2010 3:23PM WV DIV OF PURCH

NO. 8374 P. 1/1



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

### Request for Quotation

RFQ NUMBER  
DNR210174

PAGES  
1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
FRANK WHITTAKER  
304-558-2316

Fecom Incorporated  
3460 Grant Drive  
Lebanon OH 45036

DIVISION OF NATURAL RESOURCES  
STONEWALL JACKSON WILDLIFE  
MANAGEMENT AREA  
114 OLD GEORGETOWN ROAD  
ROANOKE, WV  
26447 304-637-0245

DATE PRINTED	TERMS OF SALE	SHIP VIA	FBI	FREIGHT TERMS
03/25/2010				
BID OPENING DATE: 04/14/2010		BID OPENING TIME: 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO CHANGE THE SHIP TO ADDRESS.						
THE SHIP TO ADDRESS IS CHANGED TO:						
STONEWALL JACKSON WILDLIFE MANAGEMENT AREA 114 OLD GEORGETOWN ROAD ROANOKE, WV 26447						
0001	1	EA		765-85		
TRACTORS, CRAWLER TYPE						
***** THIS IS THE END OF RFQ DNR210174 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE \_\_\_\_\_ TELEPHONE \_\_\_\_\_ DATE \_\_\_\_\_

TITLE \_\_\_\_\_ ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**Request for  
 Quotation**

REQ NUMBER  
**DNR210174**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER  
 304-558-2316**

MAR 29 2010

PURCHASING

**Fecom Incorporated  
 3460 Grant Drive  
 Lebanon OH 45036**

S  
H  
I  
P  
T  
O

**DIVISION OF NATURAL RESOURCES  
 STONEWALL JACKSON WILDLIFE  
 MANAGEMENT AREA  
 114 OLD GEORGETOWN ROAD  
 ROANOKE, WV  
 26447 304-637-0245**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/25/2010				

BID OPENING DATE: **04/14/2010** BID OPENING TIME: **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO CHANGE THE SHIP TO ADDRESS.						
THE SHIP TO ADDRESS IS CHANGED TO:						
STONEWALL JACKSON WILDLIFE MANAGEMENT AREA 114 OLD GEORGETOWN ROAD ROANOKE, WV 26447						
001	1	EA		765-85		
TRACTORS, CRAWLER TYPE						
***** THIS IS THE END OF RFQ DNR210174 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
FILE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE (REGARD VENDOR)



**Division of Natural Resources**  
Stonewall Jackson State Park  
149 State Park Trail  
Roanoke, WV 26447

April 14, 2010

**2010 JD 333DT Track Skid Steer Loader**

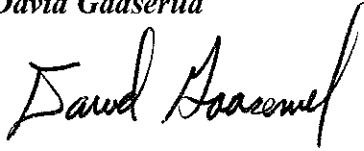
333DT Track Skid Steer Loader  
EH Joystick Controls  
18" Rubber Track  
High Flow Controls (34 GPM)  
3" Seat Belt with 2" Shoulder Strap  
Power Quick Attach  
Cab with Heater, Defrost & Air Conditioning  
Severe Duty Door (D Series)  
Cloth Air Suspension Seat  
Standard Fan Drive  
Horn  
Cold Start Package  
Hazard Warning Lights  
Severe Duty Guarding Package  
    Debris Seal, Exhaust Hood  
    Guard, Cab Fops  
    Guard, Lift Cylinder Hose  
    Guard, OPS Side & Rear Windows  
    Guard, Front Toe  
    Guard, Bottom Opening  
    Guard, Front & Rear Work Lights  
    Heavy Duty Grill

***Total Governmental Selling Price***                    ***\$61,405.00***

***Fecon BH74SS Rotary Brush Hog***                    ***\$22,286.00***  
***Total Governmental Selling Price***                    ***\$83,691.00***

Specifications for both units are included separately. Both units can be out of factory within 30 days and on job within 45 days. Any questions please call at 304-642-9826 (cell), 304-636-6421 (office), and 304-636-9867 (home)

*David Gaaserud*

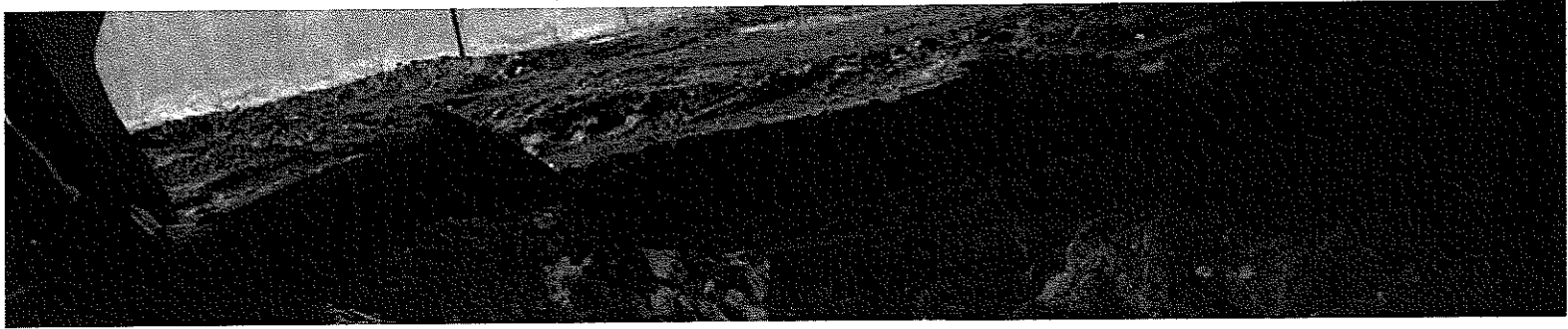
A handwritten signature in black ink that reads "David Gaaserud". The script is fluid and cursive, with the first letters of each word being capitalized and prominent.

*Leslie Equipment Company-Sales*

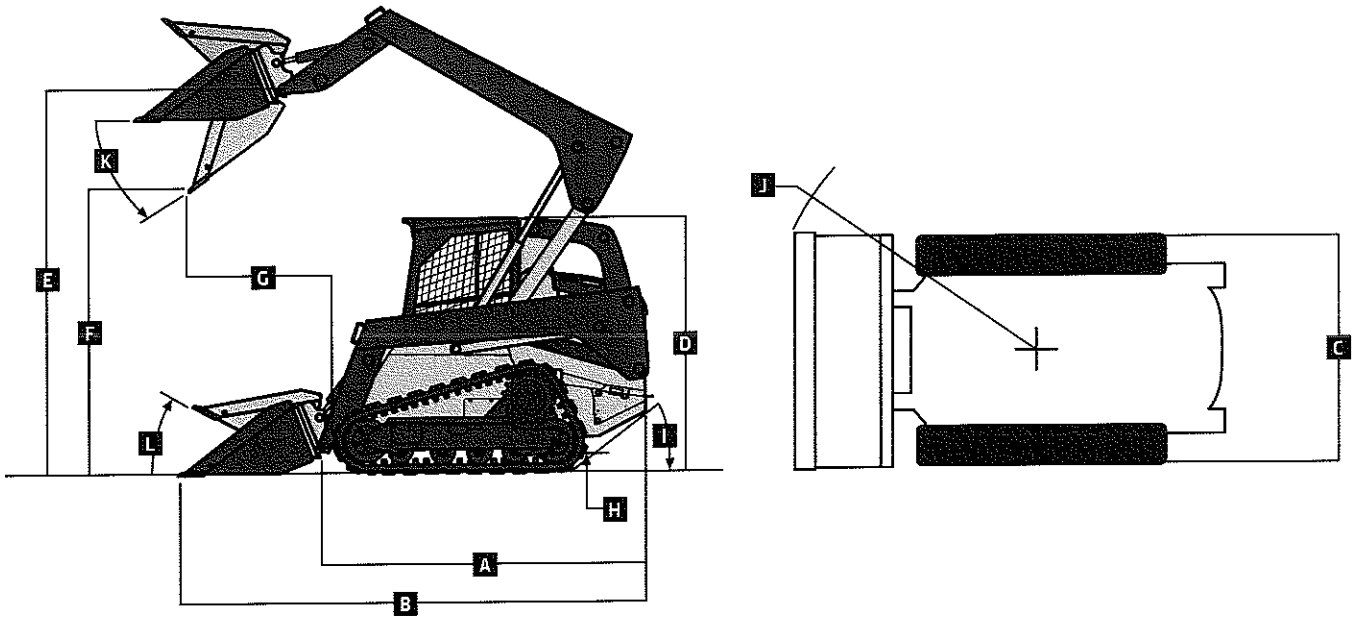
# 329D / 333D



	329D	333D
<b>Engine</b>	329D	333D
Manufacturer and Model	John Deere PowerTech™ E 5030HT	John Deere PowerTech E 5030HT
Non-Road Emission Standards	Certified to EPA Tier 3 emissions	Certified to EPA Tier 3 emissions
Cylinders	5	5
Net Peak Power (ISO 9249)	80 hp (59.6 kW) at 2,000 rpm	89 hp (66.7 kW) at 2,400 rpm
Gross Peak Power (ISO 14396)	85 hp (63.4 kW) at 2,200 rpm	95 hp (71.1 kW) at 2,400 rpm
Displacement	186 cu. in. (3.0 L)	186 cu. in. (3.0 L)
Net Torque Rise	43.0% at 1,700 rpm	36.9% at 1,680 rpm
Aspiration	Turbocharged and intercooled	Turbocharged and intercooled
Air Cleaner	Dry dual element	Dry dual element
<b>Cooling</b>	329D / 333D	
Fan Drive	Variable-speed hydraulic drive	
<b>Powertrain</b>	329D	333D
Pump	Manual axial-piston hydrostatic-servo	Manual axial-piston hydrostatic-servo
<b>Travel Speeds</b>		
Single Speed	6.2 mph (10.0 km/h)	—
2 Speed, Optional		
Low	5.3 mph (8.5 km/h)	5.3 mph (8.5 km/h)
High	7.8 mph (12.6 km/h)	7.8 mph (12.6 km/h)
<b>Brake</b>	Integral, automatic, spring applied, hydraulically released wet-disc brake	
<b>Undercarriage</b>	New-generation smooth-ride long-life rubber with steel inserts	
<b>Rubber Tracks</b>	New-generation smooth-ride long-life rubber with steel inserts	
<b>Track Width</b>		
Standard	15.8 in. (400 mm)	17.7 in. (450 mm)
Optional	17.7 in. (450 mm)	15.8 in. (400 mm)
<b>Ground Pressure</b>		
15.8-in. (400 mm) Track (329D standard, 333D optional)	5.0 psi (34.2 kPa)	5.0 psi (34.7 kPa)
17.7-in. (450 mm) Track (329D optional, 333D standard)	4.4 psi (30.6 kPa)	4.5 psi (31.1 kPa)
<b>Track Rollers (per side)</b>	5 triple-flange smooth-ride all-steel rollers	
<b>Track Idlers (per side)</b>	2 double-flange smooth-ride all-steel rollers	
<b>Bearings/Seals (rollers/idlers)</b>	Heavy-duty journal bearings and metal face seals	
<b>Tractive Effort</b>	11,500 lbf (5227 kgf)	11,500 lbf (5227 kgf)
<b>Hydraulics</b>		
<b>Pump Flow</b>		
Standard	21 gpm (80 L/m)	25 gpm (95 L/m)
High-Flow Option Total	33 gpm (125 L/m)	34 gpm (129 L/m)
<b>System Pressure at Couplers</b>	3,450 psi (23 787 kPa)	3,450 psi (23 787 kPa)
<b>Hydraulic Horsepower (calculated)</b>		
Standard Flow	46 hp (34.3 kW)	53 hp (39.5 kW)
High-Flow Option	72 hp (53.7 kW)	73 hp (54.4 kW)
<b>Cylinders</b>	329D / 333D	
	John Deere heat-treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins	
<b>Electrical</b>		
Voltage	12 volt	
Battery Capacity	925 CCA	
Alternator Rating	70 amp	
Lights	Halogen, 2 front and 1 rear standard	
<b>Operator's Station</b>		
	ROPS (ISO 3471)/FOPS (ISO 3449) structure with quick-pivot standard	
<b>Serviceability</b>		
<b>Refill Capacities</b>		
Fuel Tank	29.0 gal. (111.0 L)	



Operating Weights	329D	333D
<b>Track</b>		
15.8-in. (400 mm) [329D standard, 333D optional]	10,830 lb. (4917 kg)	11,000 lb. (4994 kg)
17.7-in. (450 mm) [329D optional, 333D standard]	10,930 lb. (4962 kg)	11,100 lb. (5039 kg)
<b>Machine Dimensions</b>		
<b>A</b> Length without Bucket	9 ft. 10 in. (2.99 m)	9 ft. 10 in. (2.99 m)
<b>B</b> Length	11 ft. 10 in. (3.60 m)	11 ft. 10 in. (3.60 m)
<b>C</b> Width without Bucket		
With 15.8-in. (400 mm) Track	6 ft. 7 in. (2.00 m)	6 ft. 7 in. (2.00 m)
With 17.7-in. (450 mm) Track	6 ft. 9 in. (2.05 m)	6 ft. 9 in. (2.05 m)
<b>D</b> Height to Top of ROPS	7 ft. 1 in. (2.15 m)	7 ft. 1 in. (2.15 m)
<b>E</b> Height to Hinge Pin	10 ft. 6 in. (3.19 m)	10 ft. 6 in. (3.19 m)
<b>F</b> Dump Height	8 ft. 6 in. (2.59 m)	8 ft. 6 in. (2.59 m)
<b>G</b> Dump Reach		
With Foundry Bucket	32.2 in. (819 mm)	32.2 in. (819 mm)
With Construction Bucket	3 ft. 3 in. (1.00 m)	3 ft. 3 in. (1.00 m)
<b>H</b> Ground Clearance	10.4 in. (265 mm)	10.4 in. (265 mm)
<b>I</b> Angle of Departure	32 deg.	32 deg.
<b>J</b> Front Turn Radius	7 ft. 1 in. (2.17 m)	7 ft. 1 in. (2.17 m)
<b>K</b> Dump Angle (full lift height)	45 deg.	45 deg.
<b>L</b> Bucket Rollback (ground level)	35 deg.	35 deg.



Loader Performance	329D	333D
Tipping Load	8,300 lb. (3765 kg)	9,425 lb. (4279 kg)*
<b>SAE Rated Operating Capacity with Foundry Bucket</b>		
At 35% Tipping Load	2,900 lb. (1317 kg)	3,300 lb. (1498 kg)
At 50% Tipping Load	4,150 lb. (1882 kg)	4,725 lb. (2145 kg)
Boom Breakout	4,600 lb. (2088 kg)	6,600 lb. (2996 kg)
Bucket Breakout Force	10,325 lb. (4688 kg)	13,875 lb. (6299 kg)

\*With one-set standard counterweight.

# Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

319	323	329	333	Engine
●	●			Certified to Interim Tier 4 emissions
		●	●	Certified to EPA Tier 3 emissions
●	●			John Deere PowerTech™ E 4024HT
		●	●	John Deere PowerTech E 5030HT
●	●	●	●	Auto-idle
●	●	●	●	Automatic fan-belt tensioner
●	●	●	●	Automatic preheat
●	●	●	●	Electronic injection system
●	●	●	●	John Deere COOL-GARD™ II Extended-Life Engine Coolant
●	●	●	●	John Deere Plus-50™ 10w30 initial engine oil fill*
●	●	●	●	5-micron primary fuel filter and water separator
▲	▲	▲	▲	Cold-weather package
<b>Cooling System</b>				
●	●	●	●	Coolant recovery tank
●	●	●	●	Cool-on-demand cooling system
▲	▲	▲	▲	Reversing fan drive
<b>Powertrain</b>				
●	●	●	●	High-torque heavy-duty planetary-reduction final drive
●	●	●	●	Automatic spring-applied hydraulically released wet-disc park brakes
●	●	●		Transmission, single-speed
	▲	▲	●	Transmission, 2-speed
<b>Hydraulic System</b>				
●	●	●	●	John Deere hydraulic cylinders with cushioned boom cylinders
●	●	●	●	Quick-check hydraulic fluid-level sight glass
●	●	●	●	5-micron hydraulic filter
	▲	▲	▲	High-flow hydraulics
<b>Electrical</b>				
●	●	●	●	Automatic shutdown with alarm
●	●	●	●	Auxiliary hydraulics operator-presence system

319	323	329	333	Electrical (continued)
●	●	●	●	Deluxe instrumentation EMU with: Operator-selectable monitoring – Hour meter, engine rpm, battery voltage, diagnostics, EMU configuration, engine coolant temperature, hydraulic oil temperature / LED warning indicators – Glow plug, seat switch, seat belt, door open, auxiliary hydraulics, park brake engaged, 2-speed engaged, stop, low engine oil pressure, engine coolant over-temperature, battery not charging, air filter restriction, hydraulic filter restriction
●	●	●	●	Front and rear halogen work lights
●	●	●	●	Triple interlock operator-presence control system
▲	▲	▲	▲	Antitheft system
▲	▲	▲	▲	Backup alarm
●	●			Battery, 750 CCA
▲	▲	●	●	Battery, 925 CCA
▲	▲	▲	▲	Dual flashers
▲	▲	▲	▲	Horn
▲	▲	▲	▲	Warning beacon kit
<b>Operator's Station</b>				
●	●	●	●	Adjustable foot pedals
●	●	●	●	Deluxe cab headliner
●	●	●	●	Electronic push-button auxiliary controls
●	●	●	●	Foot controls
▲	▲	▲	▲	Hand controls with foot throttle
●	●	●	●	Pull-down lap bar
●	●	●	●	Quick-pivot ROPS
●	●	●	●	Rear window
●	●	●	●	ROPS/FOPS operator structure
●	●	●	●	Seat belt, 2-in., retractable
▲	▲	▲	▲	Seat belt, 3-in.
▲	▲	▲	▲	Shoulder belt
●	●	●	●	Top window
▲	▲	▲	▲	Removable top window
▲	▲	▲	▲	Side window kit

319	323	329	333	Operator's Station (continued)
●				Water-shedding deluxe vinyl seat
▲	●	●	●	Deluxe vinyl suspension seat
▲	▲	▲	▲	Air-ride (cloth) seat
●	●	●	●	12-volt power port / Dome light / Cargo storage / Beverage holder
▲	▲	▲	▲	Air conditioning with heater/defroster
▲	▲	▲	▲	AM/FM/weatherband radio with auxiliary input
▲	▲	▲	▲	Cab enclosure
▲	▲	▲	▲	Severe-duty cab door
▲	▲	▲	▲	Electrohydraulic joystick controls
▲	▲	▲	▲	Electrohydraulic performance package with attachment controller
▲	▲	▲	▲	Floor mat
▲	▲	▲	▲	Floor mat with left footrest
▲	▲	▲	▲	Heater/defroster
▲	▲	▲	▲	Rearview mirror
▲	▲	▲	▲	Severe-duty rear grille
<b>Loader</b>				
●	●	●	●	Integral cab boom lock
●	●	●	●	Patented John Deere Quik-Tatch™ (no grease required)
▲	▲	▲	▲	Power Quik-Tatch
●	●	●	●	Patented John Deere vertical-lift boom with superior visibility
▲	▲	▲	▲	Hydraulic self-leveling on/off
<b>Other</b>				
●	●	●	●	Convenient front and rear tie-downs
●	●	●	●	Environmental drains for all fluid reservoirs
▲	▲	▲	▲	Chrome exhaust stack
▲	▲	▲	▲	Modular rear-weight packages
▲	▲	▲	▲	Single-point lift kit
▲	▲	▲	▲	SMV sign kit
●	●			Track, 12.6-in. (320 mm) wide
	▲	●	▲	Track, 15.8-in. (400 mm) wide
		▲	●	Track, 17.7-in. (450 mm) wide

\*500-hour engine oil-change intervals when John Deere Plus-50 oil and John Deere oil filter are used.



Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and hydraulic cooling fan at test conditions per ISO 9249. Gross power is without cooling fan. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE and ISO standards. Except where otherwise noted, these specifications are based on units with full fuel tanks and 175-lb (79 kg) operators, 319D and 323D units with standard 12.6-in. (320 mm) tracks, a 329D unit with standard 15.8-in. (400 mm) tracks, and a 333D unit with standard 17.7-in. (450 mm) tracks.

www.JohnDeere.com

**SPECIFICATIONS  
BH74SS WOOD SHREDDER**

**ITEM      DESCRIPTION**

**Intent**

- A. It is the intent of the City/Town/County of \_\_\_\_\_ to purchase a with a Bull Hog style brush/wood shredding attachment (or equal).

**Bull Hog Style Brush Shredding Attachment**

1. **Production Capabilities**

2. The unit bid must be able to shred brush/scrub growth, branches, 12” stumps, out-of-the-ground root balls, logs, 8” diameter standing trees and brush piles. Unit must be able to shred material completely to grade level and disturb the surface up to 2” deep.

Unit must shred material toward the ground.

Units that cut or slash parallel to the ground throw material laterally (sideways) and are not permitted. Units that cut up are also not acceptable.

Unit must be capable of producing a finely shred, mulch size material. A majority of shredded material must be 4” or less.

2. **Hydraulic Drive**

Unit to be powered by one bent axis hydraulic motor or optional variable displacement hydraulic motor, and capable of operating pressures up to 6000 psi. Unit must be able to operate at up to 6000 psi with an optional hose kit and simple pressure adjustment.

Power is to be transferred to the rotor via two drive sheaves on one end of rotor. Power is transferred to rotor sheaves via a multi-groove 5VX - 3 power band or polychain belt when equipped with optional variable speed motor.

Belt tensioning must be simple to perform by one person via a jackscrew. Belt tensioning rollers are not permissible. A belt tension inspection plate must be quickly and easily removable from the belt housing.

3. **Hydraulic Rotor Brake**

Unit must be equipped with a hydraulic brake rated for up to 45gpm. The hydraulic brake shall bring the rotor to a complete stop from full speed within 8-seconds of shutting the machine off. The brake shall self-actuate upon the operator shutting off the carrier’s hydraulic circuit that drives the Bull Hog rotor. The brake must be installed in the mulching attachment and not utilize any components such as friction pads, calipers, brake discs, or brake drums.

4. **The Hammermill**

Hammermill rotor weldment is comprised of six steel plate spokes projecting radially from the rotor tube and welded solid for the entire working length of the rotor. The rotor must have bolt-on stub shafts that must be forged and heat-treated. The rotor must rotate on 65mm spherical roller bearings. Steel cutting tool holders must be continuously welded. The unit must be available with 30 double carbide tipped cutting tools throughout the rotor. Rotor endplates are to be fabricated from 5/8" thick steel and must be welded in place. Carbide tipped side cutters must bolt onto the outboard side of rotor end plates and protect bearings and seals from damaging debris.

- 3 The carbide-tipped cutting tools must be rigidly cross-bolted into holders by a single 24 mm grade 10.9 metric nut and bolt. Double carbide cutting tools must be forged with two lobes at the base that accurately position tools into the holders. Carbide inserts must be uniformly brazed into the leading edge at top of tool. Tool is to be minimum 5-1/2" tall. Carbide tools must be proven to last in excess of 300 hours. Optional severe duty stone tools must be available for machines equipped with double-carbide tools and contain a large single carbide insert for working in rocky soil conditions. The cutter tool retaining bolts must be recessed and protected from the violence of shredding. Optional single narrow carbide tools must be available for faster yet durable cutting. Retaining bolts for the carbide tool options must be easily accessed for changing. Carbide tools cannot be bolted from behind or contain the threads which a fastener screws into. An optional chipper knife and holder must be available to run in place of the carbide tools. The knife holder must bolt into the rotor in the same manner that carbide tools are fastened. Knives must be bolted into the knife holder with two (2) bolts. Units containing tools that cannot be individually changed, that hold tools in place on rods, or that allow tools to swing on rods are not accepted. These machines cannot effectively shred into the ground and are susceptible to excessive wear and additional labor costs to change tools.

Hammermill must cut down. This provides much safer operation and utilizes the ground as an anvil. One set of counter-combs must be located inside the rotor chamber so that cutting tools can shred material through the combs. Individual combs must be triangular in shape, minimum 2-1/2" tall at the peak, minimum 1/2" thick.

5. **Shredder Housing and Frames**

Shredder housing and frame to be predominately fabricated from heavy wall tubing and steel plate. Body end plates shall be minimum 5/16" high strength steel plate. Belt housing covers shall be minimum 3/16" high strength steel plate. Drive components must be compartmentalized for cleanliness, ease of maintenance, safety and greater strength.

Power band belt housing must fully encase belt and sheaves. Expanded metal or slotted covers allow dust, dirt and debris inside and will not be accepted. The belt

housings must be configured to play an integral role in overall strength of machine housing. Housing must contain an easily removable belt inspection plate.

#### **5. Shredder Housing and Frames (continued)**

Steel skid plates are welded below belt housings on both ends of the machine. Skid plates protect the base of belt housings.

Steel deflection chain must be welded in segments on the bottom rear edge of the unit to help retain projectiles. An optional hinged trap door must be available to control material retention time. With trap door engaged, particle size will be further reduced. Trap door is engaged via a hydraulic cylinder controlled by the carrier.

A steel push bar is to be welded on the top of the housing. The push bar is to be fabricated from rigid heavy-walled rectangular and square steel tubing. Continuously welded, the push bar is a powerful tool for controlling standing trees and scrub material during operation. Units without a push bar are not acceptable.

#### 6. **Dimensions**

Unit must have a minimum weight of 2,200 lbs.

Unit must have an overall length of 74"

Unit must have a cutting width of 60"

7. Machine body must be powder coated red with Dupont IMRON Polyurethane Industrial Coating. The rotor must be black.



RFQ No. DNR 210174

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: Leslie Equipment Company

Authorized Signature: Mark Harless Date: 4-12-10

State of WV

County of Randolph, to-wit:

Taken, subscribed, and sworn to before me this 12 day of April, 2010.

My Commission expires 6-29-2014, 2014

AFFIX SEAL HERE

NOTARY PUBLIC Tammy K. Harless

