

**BID SPECIFICATIONS
FOR
HEAVY DUTY BACKHOE
CAT 430 F
\$115,521.00 (INCLUDING OPTIONS) TIER 4**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a heavy duty backhoe. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. The heavy duty loader/backhoes must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the County to use at no cost to the county until such time as the parts are delivered to the County so it can affect repairs to its machine.

FILTERS

The cost of all filters required to perform scheduled maintenance as outlined in the manufacturer's service schedule and to meet warranty requirements shall be included in the base bid price of the machine for the period of three years or 3600 hours. The filters shall be furnished with each machine purchased or at the option of the purchasing county may be picked up at the dealership as needed. Assume 1200 hours of annual use to determine filter requirements.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty and a 3-year, 3600 hour power train warranty along with a complete explanation of the warranty with their bid. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes___ No___
Page#_____
or
Attachment_____

ENGINE

Four cylinder, four stroke cycle, minimum 268 cubic inch diesel engine, capable of developing a minimum of 107 NET flywheel horsepower with turbo charger.

Yes ___ No ___
Page #_____

Coolant circulation to be provided by a gear-driven water pump.

Yes ___ No ___
Page #_____

Must have an alternator with a minimum charging capacity of a 120 amps.

Yes ___ No ___
Page #_____

Engine must be designed and built by the machine manufacturer.

Yes ___ No ___
Page #_____

STARTING SYSTEM

Shall be equipped with a 12 volt electrical system, heavy duty starting motor.

Yes ___ No ___
Page #_____

Battery shall be a minimum of 880 CCA maintenance free.

Yes ___ No ___
Page #_____

TRANSMISSION

Power shuttle transmission.

Yes ___ No ___
Page #_____

Minimum of four (4) speeds forward and four (4) reverse speeds.

Yes ___ No ___
Page #_____

Minimum travel speed: 24 mph.

Yes ___ No ___
Page #_____

Transmission to have an electrical neutral lock switch.

Yes ___ No ___
Page # _____

CONTROLS AND HYDRAULICS

Excavator style pilot-operated joystick controls with closed center, variable displacement load sensing hydraulic system.

Yes ___ No ___
Page # _____

Separate oil system for engine, transmission, rear axle and hydraulics.

Yes ___ No ___
Page # _____

Must have pattern changer valve.

Adjustable steering column.

Yes ___ No ___
Page # _____

Air suspension seat.

Yes ___ No ___
Page # _____

FRONTEND LOADER

Loader Bucket -- 1.30 min. cu yd. heavy-duty 4 in 1 bucket

Yes ___ No ___
Page # _____

Loader breakout force (lbs) -- 11,160 lbs.

Yes ___ No ___
Page # _____

Loader lift capacity max. Height (lbs.) -- 7,600 lbs.

Yes ___ No ___
Page # _____

Loader pin height -- 11 ft. 5 in.

Yes ___ No ___
Page # _____

Loader dump height -- 9 ft. 0 in.

Yes ___ No ___
Page # _____

BACKHOE – TWO LEVEL CONTROL SYSTEM (FIXED LENGTH DIPPER STICK)

Backhoe Bucket -- 24 in. heavy duty rock bucket (5 teeth)

Yes ___ No ___
Page # _____

Bucket breakout force (lbs.) -- 16,150 lbs.

Yes ___ No ___
Page # _____

Backhoe stick digging force (lbs.) --10,050 lbs.

Yes ___ No ___
Page # _____

Boom Lift @ 12 ft. (lbs.) – 4,200 lbs.

Yes ___ No ___
Page # _____

Backhoe maximum digging depth -- 15 ft. 4 in.

Yes ___ No ___
Page # _____

Backhoe maximum dumping height 13 ft. 0 in.

Yes ___ No ___
Page # _____

BRAKES

Service brakes – hydraulic wet disk.

Yes ___ No ___
Page # _____

Parking brake.

Yes ___ No ___
Page # _____

All wheel braking shall be available.

Yes ___ No ___
Page # _____

TIRES AND OUTRIGGERS

Reversible type for use on both paved and non-paved surfaces.

Yes ___ No ___
Page # _____

Minimum 19.5L – 24/10 PR rear tires and wheels.

Yes ___ No ___
Page # _____

Minimum 12.5/80 – 18/10 PR front tires and wheels.

Yes ___ No ___
Page # _____

FUEL TANK

Minimum Capacity -- 44 Gallons

Yes ___ No ___
Page # _____

OIL ANALYSIS

To be included at no cost of the duration of the warranty period selected at intervals recommended by the manufacturer's warranty and maintenance schedule.

Yes ___ No ___
Page # _____

WEIGHT (STANDARD OPERATING)

The factory specified operating weight only without options. No additional weights may be added for the purpose of meeting these specifications. Minimum 15,700 lbs. SAE standard.

Yes ___ No ___
Page # _____

OPTIONS

Bid must include the cost for each of the following options, itemized separately on the bid:

Enclosed ROPS cab (low profile), sound suppressed with factory installed air conditioner/heater, AM/FM stereo radio and vandalism protection.

Yes ____ No ____

Page # _____

Heavy duty 4 in 1 front loader bucket. (Counties have the option of purchasing a heavy duty general purpose bucket in place of the heavy duty 4 in1 bucket.)

Yes ____ No ____

Page # _____

Heavy duty rock backhoe bucket. (Counties have the option of purchasing a heavy duty general purpose bucket in place of heavy duty rock bucket.)

Yes ____ No ____

Page # _____

Mechanical front wheel drive

Yes ____ No ____

Page # _____

Extendable dipper stick with all necessary hydraulics and controls

Yes ____ No ____

Page # _____

Multipurpose Integrated Tool Carrier with quick coupler and necessary hydraulics and controls.

Yes ____ No ____

Page # _____

Additional 2 years of filters based on 1200 hours per year use

Yes ____ No ____

Page # _____

An extended power train warranty that covers an additional two (2) years or an additional 2400 hours, whichever occurs first.

Yes ____ No ____

Page # _____

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the options as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

OPTION COST SHEET FOR HEAVY DUTY BACKHOE TIER 4

<u>Option</u>	<u>Option Price</u>
Enclosed ROPS cab as in bid specifications.	\$ <u>7,615.00</u>
Heavy duty 4 in 1 front loader bucket.	\$ <u>3,871.00</u>
Heavy duty rock backhoe bucket.	\$ <u>115.00</u>
Mechanical front wheel drive.	\$ <u>STANDARD</u>
Extendable dipper stick with all necessary hydraulics and controls.	\$ <u>3,149.00</u>
Multipurpose integrated tool carrier with quick coupler and necessary hydraulics and controls.	\$ <u>5,579.00</u>
Extended warranty	\$ <u>506.00</u>
Additional 2 years filters	\$ <u>2,007.00</u>

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COUNTY JOINT BID PROGRAM PURCHASE PROCEDURES

Effective January 1, 2008

All purchases by counties pursuant to the County Joint Bid Program shall be made by (1) mailing or faxing the appropriate Purchase Order to the vendor who has been awarded the contract for the item to be ordered and (2) faxing a copy of the Purchase Order to the Association of County Commissions of Alabama (ACCA) office at 334-263-7678. Purchase Order Forms and all necessary information regarding the vendor and items available can be obtained at the ACCA website (www.alabamacounties.org).

Each purchase order shall be signed by the person authorized by the county to sign and shall include the County Joint Bid Program Item Number. A copy of the form submitted shall be retained by the county.

The county shall deal directly with the company representative for the vendor in making purchases under this program. The vendor shall complete all orders in compliance with its agreement under the program, and shall deal directly with each county in processing and completing their orders and in complying with service and warranty requirements. Road sign vendors should keep in mind that they are required to deliver all items to the location identified by the county ordering them within thirty (30) calendar days from the date of order, and the cost of any items not delivered within this time period will be reduced in price by 10%.

It is important to remember that under Code of Alabama 1975, § 41-16-50(b), all purchases made pursuant to this program shall be subject to the terms and conditions of Alabama's Competitive Bid Law. Therefore, counties are only authorized to purchase the specific items awarded under the program according to the bid specifications and must comply with these procedures in placing all orders.

There can be no deletions or additions to items purchased under this program, except as specifically provided for in the bid specifications. Optional equipment authorized under the bid specifications on certain heavy equipment orders may be deleted by the county at the time of purchase, and in that event, the cost of that item as provided by the vendor shall be deducted from the total cost of the item.

COUNTY JOINT BID PROGRAM
HEAVY DUTY BACKHOE - TIER 4 PURCHASE ORDER FORM

*This form must be mailed or faxed to the Vendor with
Copy faxed to the ACCA Office at 334-263-7678*

Date of Order: _____ County Purchase Order No. _____

County: _____ County Contact Person: _____

County Address: _____

County Phone Number: _____

County Fax Number: _____

E-mail Address: _____

Equipment Model or Item Name and Number: CAT 430F

Number of items ordered: _____ Price per item: _____

Vendor: Thompson Tractor Company Company Contact: Jay Smith

Vendor address: P.O. Box 10367
Birmingham, AL 35202-0367

Deliver to the Attention of: _____

Delivery Address: _____

Requested delivery date: _____

Name of person making purchase request: _____

Title: _____

Authorized County Signature: _____

Initial confirming form sent to vendor: _____

Initial confirming form sent to ACCA: _____