

FILED FOR RECORD: 5-19 - 1981 at 4:00 o'clock P M
DULY RECORDED: 5-14 1981 at 9:00 o'clock A M
INSTRUMENT NO. _____ GRACE BOSTICK, TYLER CO. CLK.
BY: Grace Bostick Deputy

TYLER COUNTY COMMISSIONER'S COURT
SPECIAL MEETING
APRIL 22, 1981

A Special Meeting of the Commissioner's Court, met on Wednesday April 22, 1981 at 3:30 P.M. All members except Commissioner Odom were present. The meeting was opened with prayer by County Attorney Joe Smith.

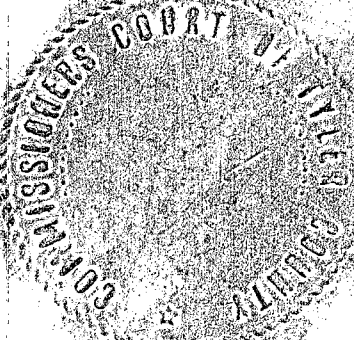
A motion was made by Commissioner Mahan and seconded by Commissioner Lowe to accept the bid of Allen Machinery Co. Inc. of Lufkin, Texas, 75901. This is a John Deere 310-A Loader/Backhoe, for the price of \$19,995.00. This will be purchased thru Time-Warrants. All voted yes and none no. See Bids attached. Pct. #3.

A motion was made by Commissioner Lowe and seconded by Commissioner Riley to accept the Bid of Mann Furniture Co., on an Air/Heating Unit for Tyler County Clerk's Office. The price of \$488.00. All voted yes nad none no. See Bids attached.

A motion was made by Commissioner Lowe and seconded by Commissioner Riley to accept the Contract with the City of Chester. This contract is renewed and extended from January 1, 1981 to January 1, 1983. All voted yes and none no. See attached contract.

There being no further business, the meeting adjourned.

SIGNED: Allen Sturrock Allen Sturrock, County Judge
Maxie Riley Maxie Riley, Comm. Pct. #1
H.K. Lowe H.K. Lowe, Comm. Pct. #2
Jerry Mahan Jerry Mahan, Comm. Pct. #3
Berton Adnell Odom Berton Adnell Odom, Comm. Pct. #4
ATTEST: Grace Bostick Grace Bostick, County Clerk



VOL 006 PAGE 513



Allen Machinery Company, Inc.

P.O. Box 3327 - Loop 287 West
Lufkin, Texas 75901
Phone 713-634-8801

VOL. 006 PAGE 514

April 10, 1981

Tyler County
Commissioners Court
Woodville, Texas

Gentlemen:

We are pleased to quote on the following John Deere 310-A Loader/Backhoe, equipped as follows.

1 - 310-A Wheel Loader Backhoe - Diesel

Operating Weight - 13,520 Lbs.

4 Cylinder Engine - 62 Gross H.P. - 58 Net Flywheel H.P.

8 Speed Hydraulic Reverser Transmission - Neutral Position.

Power Steering.

Differential Lock - Foot Lever.

Oil Disc Brakes - Self-Adjusting.

19.5L x 24, 8-Ply Rear Tires..

11.00 x 15, 8-Ply Front Tires.

Two 86 Amp. Batteries.

Deluxe Swing Around Seat.

Tachometer

Ether Starting Aid.

Cigarette Lighter

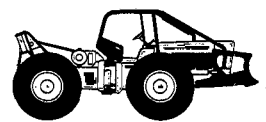
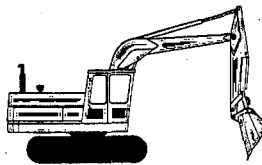
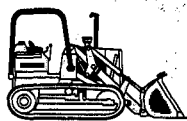
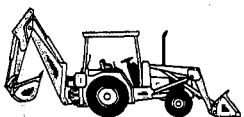
Horn

Flat Operator Platform.

Dry Air Cleaner Restriction Indicator.

Single Lever Loader Control.

Loader 1 Yard Bucket - Self-Leveling.





Allen Machinery Company, Inc.

P.O. Box 3327 - Loop 287 West
Lufkin, Texas 75901
Phone 713-634-8801

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Bid Continued -- Tyler County -- JD 310-A Loader/Backhoe

15 Foot 1 Inch Backhoe - 2 Cylinder Swing - 14' 5" Digging Depth.
17 Foot 1 Inch Reach From Mast.
24 Inch Bucket.
Roll Over Canopy - ROPS Approved.

Warranty: One Year Factory Warranty Plus 90 Days of Free Field Service.

Delivery: From Stock.

\$34,815.00---List Price

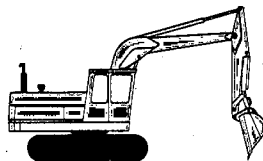
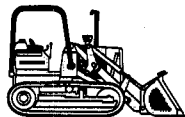
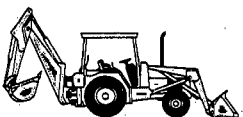
\$14,820.00---Less JD 310 Trade-In & Governmental Discount

\$19,995.00---Net Price FOB Colmesneil, Texas

Yours Very Truly,

Glen McDaniel
Salesman

GM:JL



ALLEN MACHINERY COMPANY, INC.
P. O. BOX 3327
LUFKIN, TEXAS 75901

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VOL

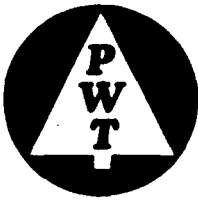
TYLER COUNTY
COMMISSIONERS COURT
WOODYVILLE, TEXAS

LOADER/BACKHOE

NO. _____ TIME: 9:30^{AM}

APR 13 1981

GRACE BOSTICK, COUNTY CLERK
TYLER COUNTY, TEXAS
BY: *Grace Bostick*



Piney Woods Tractor & Imp. Inc.

2705 SOUTH MEDFORD ST. 713/632-3394

LUFKIN, TEXAS 75901

VOL - 006 PAGE 517

April 9, 1981

Tyler County
P.O. Box 100
Woodville, TX 75979

ATTENTION: COUNTY CLERK

Gentlemen:

Piney Woods Tractor & Imp., Inc. thanks you for the opportunity to bid on your wheel loader backhoe. In some areas we do not meet your exact specifications, but do feel that our machine will do the job of the machine you have speced out and we will stand behind it accordingly.

If we can be of any further service, please call. (713-632-3394)

Sincerely,

Johnny Swallows
Sales

JS/ch

580 C LOADER/BACKHOE TRACTOR

1. 4 cyl Case engine with 55 net HP
2. Power shuttle trans-4 speeds
Forward-4 reverse
3. Front tires-11L x 16, 10 PR, F3
4. Rear tire-17.5L x 24.6 PR, R4 tires
5. ROPS -canopy
6. 1-CU-YD, loader bucket
7. LOCK-UP PKG. w/panel cover
8. Engine side panels
9. Operating wt. 12,100 lbs.
10. Hydraulic disc brakes Sell-price \$36,484.00
 Tyler County price- 30,100.00
 Less trade- 12,600.00
 \$17,500.00

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The 580C Case loader backhoe meets specs except for net H.P., 1½ cubic yd. bucket-operating wt. of 13,275 lbs.

This machine carries a one year warranty except for the engine which carries a two year or 2,000 hr warranty. We could deliver within 30 days.

580 SUPER D LOADER/BACKHOE

1. 4 cyl. Case engine with turbo-charger
60 SAE net H.P.
2. Power shuttle trans- 4 speeds forward, 4 reverse with on the go shifting
3. Front tires-11L x 16, 10 PR, F3
4. Rear tires-17.5L x 24, 6 PR
5. ROPS -canopy
6. 1 cy. yd. loader bucket
7. Lock-up pkg. w/panel cover
8. Engine side panels
9. Operating wt. 12,100 lbs.
10. Hydraulic disc brakes

Sell-price \$41,455.00
 33,707.00
 12,600.00
 \$21,107.00

The 580 Super D loader/backhoe meets specs except for the 1½ yd. loader bucket and the operating weight of 13,275 lbs. This machine carries a one year warranty except for the engine which carries a two year or two thousand hour warranty. We could deliver within 30 days.

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VOL



**Piney Woods Tractor
& Imp. Inc.**

2705 SOUTH MEDFORD ST. • LUFKIN, TEXAS 75901
PHONE (713)632-3394

TO:

TYLER COUNTY
P.O. Box 100
Woodville, TX 75979

ATTENTION: COUNTY CLERK

NO. _____ TIME: 9:25 AM BY _____

APR 13 1981

GRACE BOSTICK, COUNTY CLERK
TYLER COUNTY, TEXAS

BY: Grace Bostick

Bid ON BACKHOE



Mustang

TRACTOR & EQUIPMENT COMPANY

12800 NORTHWEST FREEWAY • BOX 1373 • HOUSTON, TEXAS 77001 • (713) 460-2000

7790 EASTEX FREEWAY
BEAUMONT, TEXAS

U.S. HIGHWAY 69 S.E.
LUFKIN, TEXAS

HIGHWAY 71 NORTH
EL CAMPO, TEXAS



QUOTATION VOL 006 PAGE 520

TO
Commissioner's Court
Tyler County Pct. #3
Woodville, Texas 75979

QUOTATION NO. S81-190

DATE April 1, 1981

CUSTOMER INQUIRY NO.

Gentlemen:

IMPORTANT: WHEN ORDERING, PLEASE MENTION ABOVE QUOTATION NUMBER AND DATE.

QUAN.	DESCRIPTION	UNIT PRICE	EXTENSION
	We are pleased to submit the following for your consideration:		
	New JCB model 3C 1400 backhoe loader with 66 HP diesel engine, ROPS canopy with seat belt, 1½ cubic yard loader bucket, center mount backhoe (14'1" digging depth), rear working lights, lighting package, operator compartment, audio visual monitoring system, foot throttle, 2 WD 11L x 16 x 10 ply ribbed tread front tires and 2 WD industrial tread rear tires (17.5 x 24 x 8 ply).		
	Price		\$27,766.00
	Less trade-in of your John Deere 310A S/N 200787T		<u>6,500.00</u>
	Net Price		\$21,266.00
	Option: 24" standard backhoe bucket with teeth and side cutters, ADD \$775.00.		
	We appreciate the opportunity of quoting on your equipment requirements and hope we may be favored with your order.		
APPLICABLE WARRANTY(S): JCB		PRICES ARE F.O.B.: Tyler County, Texas	

THIS QUOTATION SHALL TERMINATE UNLESS MUSTANG RECEIVES WRITTEN ACCEPTANCE WITHIN 30 DAYS HEREOF.

ACCEPTED THIS DAY OF _____, 19____

MUSTANG TRACTOR & EQUIPMENT COMPANY

By _____
(If signing for a corporation or partnership, include name of customer and title of person signing.)

By Jim Lindsey Area Manager
(TITLE)

THIS QUOTATION IS SUBJECT TO THE TERMS AND CONDITIONS CONTAINED ON THE REVERSE SIDE HEREOF, SAME BEING INCORPORATED HEREIN BY REFERENCE.

1. Price, Terms of Payment. All prices are exclusive of sales and any other applicable taxes. Unless terms acceptable to Mustang Tractor & Equipment Company ("Mustang") are agreed to in advance, all prices are payable in full prior to delivery. Orders are placed at manufacturer's current list price. In the event of price changes by manufacturer, the price prevailing at time of delivery will be paid by purchaser.

2. Product Warranty, Disclaimer and Limitation. The only warranties, if any, applicable to any item of machinery, equipment or other personal property subject hereto are identified on the reverse side hereof.

2.1. New Products. Mustang will not make any warranties, express or implied, regarding any new item of machinery, equipment or other personal property subject hereto, and Mustang **DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE** with respect to each such item. Customer's sole and exclusive remedy, if any, for defects in materials or workmanship with respect to any new item of machinery, equipment or other personal property subject hereto shall be against the manufacturer or manufacturers thereof pursuant to the express, written warranty, if any, extended by such manufacturer or manufacturers with respect to such products and described on the reverse side hereof. If any such express, written warranty is applicable, a copy thereof will be furnished upon request.

2.2. Used Products. Mustang will not make any warranties, express or implied, regarding any used item of machinery, equipment or other personal property and Mustang has expressly **DISCLAIMED ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE** regarding any such used item except for the express warranties specifically described on the reverse side hereof, if any. An explanation of each warranty offered by Mustang is set forth below. **ONLY THE WARRANTY DESCRIBED ON THE REVERSE SIDE HEREOF WILL BE APPLICABLE TO THE SALE BY MUSTANG OF THE PRODUCTS DESCRIBED HEREIN.**

A. BONDED BUY — If the applicable warranty is "Bonded Buy", the product described on the reverse side hereof will be warranted against defective material or workmanship for a period of 60 days from purchase date. No charge will be made for parts or labor if the defect occurs and Mustang is notified in writing during the 60 day period from purchase date.

B. PREMIUM BUY — If the applicable warranty is "Premium Buy", the product described on the reverse side hereof will be warranted against defective material or workmanship for a period of 30 days from purchase date. No charge will be made for parts or labor if the defect occurs and Mustang is notified in writing during the 30 day period from purchase date.

C. CERTIFIED BUY — If the applicable warranty is "Certified Buy", the product described on the reverse side hereof will be warranted against defective material or workmanship for a period of 30 days from purchase date. If defects do exist Mustang will pay **ONE-HALF** of cost for parts and labor if Mustang is notified in writing during the 30 day period from purchase date.

D. BUY AND TRY — If the applicable warranty is "Buy and Try" and the product does not meet purchaser's satisfaction, it may be returned within three days of purchase for a full refund. **THERE ARE NO OTHER IMPLIED OR EXPRESS WARRANTIES.**

E. "AS IS" — If the applicable warranty is "As Is", no **IMPLIED OR EXPRESS WARRANTIES** of any kind whatsoever will be applicable to product purchased.

The parties agree that the Customer's **SOLE AND EXCLUSIVE REMEDY** against Mustang under **BONDED, PREMIUM or CERTIFIED BUYS** will be for the repair or replacement of defective parts as provided in the warranty or condition selected. Repair or Replacement shall be at Mustang's discretion and **AT MUSTANG'S REGULAR PLACE OF BUSINESS**, during normal business hours. Customer agrees that no other remedy (including, but not limited to, claims for **INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, FOR ANY CAUSE WHATSOEVER, or INJURY TO PERSONS OR PROPERTY, OR ANY OTHER CONSEQUENTIAL, ECONOMIC OR SPECIAL INCIDENTAL LOSS**) shall be available to him.

Customer acknowledges and agrees that this quotation contains all agreements between Customer and Mustang and they are hereby accepted by Customer. Customer further agrees and acknowledges that no verbal contracts, agreements or warranties other than what is written in this quotation have been received or given, and signature on this quotation by Customer acknowledges this fact.

3. Force Majeure. This quotation, when accepted by Customer, shall become a binding contract but Mustang's obligation to deliver shall be conditioned upon and subject to strikes, walkouts, accidents, fire, delays in manufacturer transportation, acts of God, and embargoes or Governmental action or any other causes beyond the control of Mustang whether the same as or different from the matters and things hereinabove specifically enumerated, and any of such causes shall absolutely absolve Mustang from any liability to Customer, under the terms hereof. Upon acceptance, Customer, shall be obligated to pay the purchase price applicable to the products reflected on the reverse side hereof in accordance with the terms hereof and of any other documents now, heretofore or hereafter executed to evidence such obligation.

4. Security Interest. If the product(s) is not paid for in full in cash at the time of delivery, Mustang will retain and Customer hereby grants to Mustang a security interest in such product(s) within the meaning of the Uniform Commercial Code together with all and any substitutions, additions, or accessions to such product(s), and in any and all proceeds from the sale, exchange or disposal thereof to secure payment of the purchase price of such product(s). Customer, prior to or after delivery, specifically agrees to enter into and execute a financing statement, or statements, and an additional security agreement setting forth the terms and conditions of the Agreement between the parties in relation to the security interest of Mustang. Customer further appoints Mustang as its attorney-in-fact to execute any such financing statement or security agreement in the place and stead of Customer. In the event Customer fails to execute any such financing statement or security agreement upon request by Mustang, the entire balance of the purchase price shall at Mustang's option become due and payable and Mustang shall have all remedies available to it provided for and set out in the Uniform Commercial Code. Customer also agrees to execute and deliver to Mustang any notes or other evidences of indebtedness that may be required by Mustang. However, any note taken herewith shall be evidence of Customer's obligation to pay the unpaid time balance only and is not to be considered or construed to be payment for the product(s).

5. Shipment. Mustang's responsibility for shipment will cease upon delivery to a transportation company and any claims for shortages, delays or damages occurring thereafter shall be made by Customer directly to the transportation company. Any claims which Customer may be entitled to make against Mustang for shortages and shipments shall be made within fifteen (15) days after receipt of shipment.

6. Enforceability, Entire Agreement. Customer agrees that this quotation, upon acceptance by Customer, shall not be countermanded by him and that when it is accepted (and until the execution and delivery of the contract or contracts and note or notes required to consummate the sale of this above specified) it will, together with any security agreement, promissory note or other evidence of indebtedness executed by Customer subsequently hereto, constitute the entire agreement between the parties relative to this transaction. Customer further agrees that Mustang is not bound by any representations or agreements made by any agent or employee of Mustang relative to this transaction unless specifically embodied herein.

7. Indemnity. Customer further agrees to indemnify and save harmless Mustang from all loss, damage, expense and penalty arising from any action on account of any injury to person or property of any character whatsoever occasioned by the operation, handling or transportation of any of the product(s) covered by this quotation and while the product(s) is in the possession or under the custody and control of Customer.

8. Place of Payment, Venue. In consideration of the sale of the product(s) by Mustang, Customer agrees to pay Mustang for such product(s) at Mustang's principal office in Houston, Harris County, Texas, and further agrees that should any legal action or judicial proceeding be required in connection with this transaction, that venue shall be in Houston, Harris County, Texas.

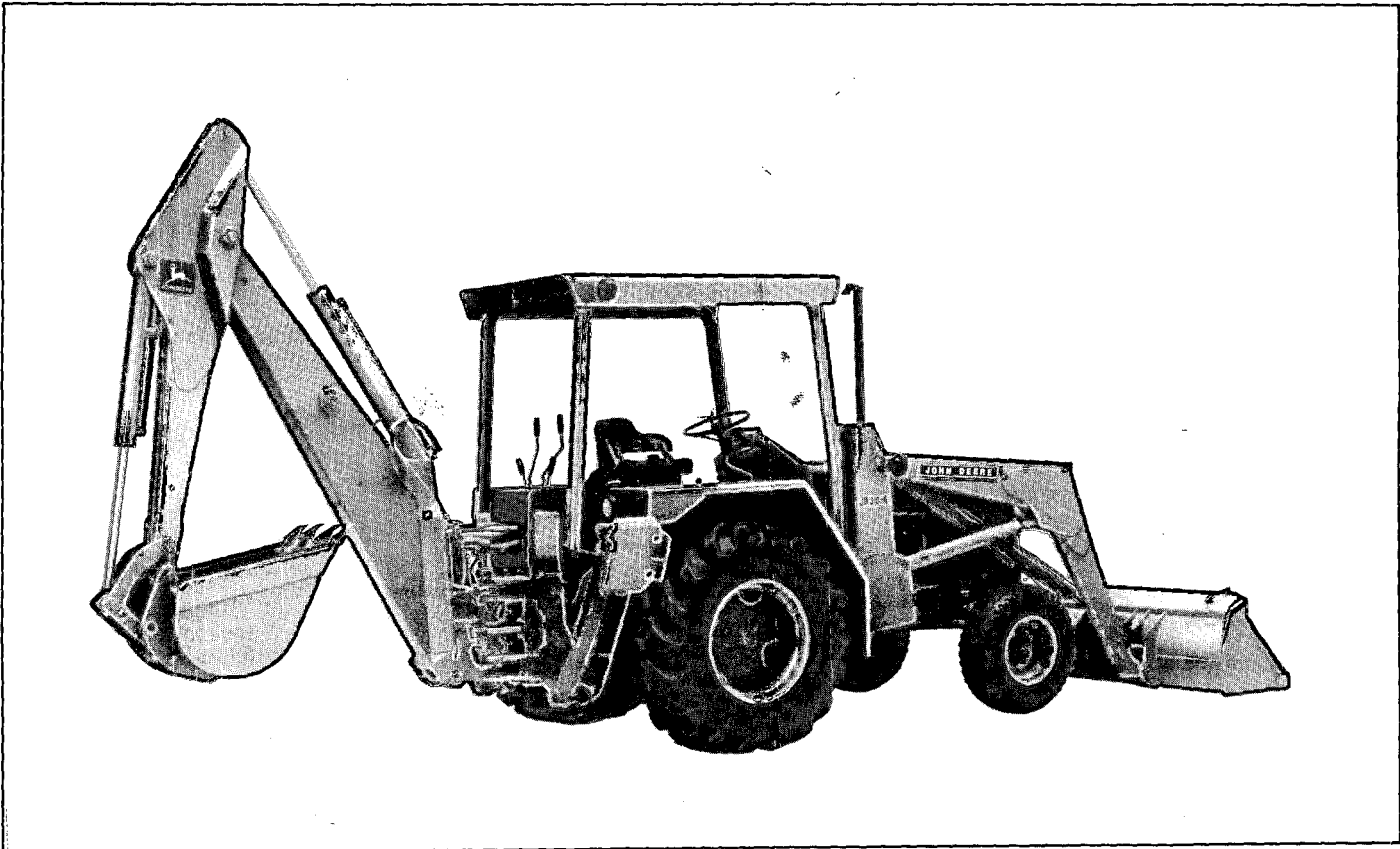
9. Attorney's Fees. In the event any action either to collect payment or enforce the terms and provisions of this quotation becomes necessary, Customer agrees to pay reasonable attorney's fees to Mustang should this matter be placed in the hands of an attorney for collection.

10. Miscellaneous. This quotation shall be interpreted and construed in accordance with the laws of the State of Texas. Invalidity of any portion of this quotation shall not affect the validity or enforceability of the remainder of the terms and conditions hereof, and the parties hereby agree that this quotation shall be construed as if such invalid provision had not been inserted.

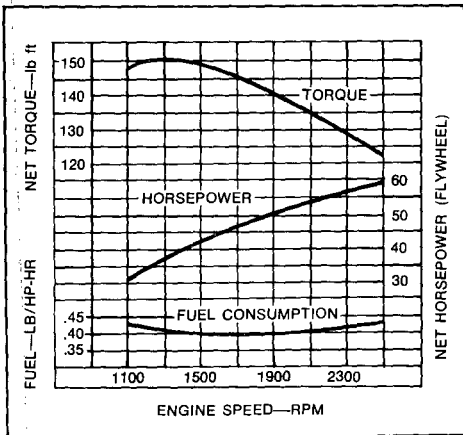
11. Termination of Quotation. This quotation shall terminate unless Mustang receives written acceptance hereof within the period set forth on the reverse side hereof. Such written acceptance must refer to the quotation number and date of this quotation.



JD310-A BACKHOE LOADER



ENGINE PERFORMANCE



FEATURES

- 58 SAE net hp (43.3 kW)
- Backhoe digging depth (ICED)—14 ft. 5 in. (4.39 m)
- Hydraulic direction reverser
- Self-adjusting wet-disk brakes
- Inboard planetary final drives
- Roll-over protective structure (ROPS)
- Choice of 2 self-leveling loader buckets
- Single-lever loader control
- Single, swing-around seat
- Two-lever backhoe control
- Choice of 10 backhoe buckets
- Choice of 4 ADCO® buckets specially designed for rock, frost, and other tough digging conditions
- Extendable dipperstick available
- Power steering

JD310-A BACKHOE LOADER SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ICED and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with 16.9-24, 8-ply-rating, R4 rear tires; 11L-15, 8-ply-rating front tires; 3/4 cu. yd. (0.57 m³) loader bucket, 24 in. (610 mm) standard backhoe bucket, diesel engine and standard equipment.)

Power (@ 2500 engine rpm):

	SAE	DIN
Gross	62 hp (46.2 kW)	
Net	58 hp (43.3 kW)	61.6 PS

Net engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator, and muffler. Gross engine power is without fan. Flywheel power ratings are under SAE standard conditions of 500-ft. altitude and 85°F. temperature and DIN 70 020 standard conditions of 760 mm Hg barometer (sea level) and 20°C. temperature.

Engine: John Deere 4-cylinder diesel, valve-in-head, 4-stroke cycle
Bore and stroke: 4.02x4.33 in. (102x110 mm)
Piston displacement: 219 cu. in. (3.589 L)
Compression ratio: 16.2 to 1
Maximum torque @ 1300 rpm: 150-lb-ft (203 Nm) (20.7 kg-m)
NACC or AMA (U.S. Tax) horsepower: 25.65
Main bearings: 5
Lubrication: Pressure system w/full-flow filter
Cooling: Pressurized w/thermostat and fixed bypass
Fan: Suction
Air cleaner: Dry
Electric system: 12-volt w/alternator
Batteries: Two 6-volt, 340 min. reserve capacity connected in series

Engine Clutch: Foot-operated automotive-type clutch with 10-in. (254 mm) plate

Transmission:

Constant mesh, 8 speeds forward, 8 reverse. Standard hydraulic direction reverser permits no-clutch reversing in all gears.

Gear:

	Travel Speeds			
	mph	km/h	Fwd.	Rev.
1	1.4	2.3	2.3	2.6
2	2.0	3.2	3.2	3.7
3	3.0	4.8	4.8	5.6
4	4.2	6.8	6.8	7.7
5	5.5	8.9	8.9	10.1
6	7.8	12.7	12.7	14.5
7	11.7	18.8	18.8	21.7
8	16.4	26.4	26.4	30.1

Final Drives: Inboard, planetary

Brakes: Hydraulically power actuated, fully enclosed wet-disk. Self-equalizing. Foot-operated individually or simultaneously.

Steering: Power

Turning radius (brake applied) 10 ft. 2 in. (3.10 m)
 Loader clearance (brake applied) 30 ft. (9.14 m)
 Number of turns, far left to far right 3.0
 Number of turns, far right to far left 2.75

Hydraulic System: Closed-center

Pressure 2350 psi (16 203 kPa) (165.2 kg/cm²)
 Loader control Single-lever
 Backhoe control Two-lever
 Pump Piston, constant pressure, variable-displacement, 28 gpm (1.76 L/s) @ 2500 engine rpm
 Filter 25-micron steel-enclosed paper cartridge in return

Hydraulic Cylinders:

	Bore	Stroke
Loader boom	3.25 in. (83 mm)	28.7 in. (729 mm)
Loader bucket	3.25 in. (83 mm)	16.7 in. (424 mm)
Backhoe boom	4.50 in. (114 mm)	34.0 in. (864 mm)
Backhoe crowd	4.00 in. (102 mm)	33.0 in. (838 mm)
Backhoe bucket	3.50 in. (89 mm)	27.4 in. (695 mm)
Backhoe swing	4.00 in. (102 mm)	9.3 in. (236 mm)
Stabilizer	3.50 in. (89 mm)	16.9 in. (429 mm)

Cylinder rods Ground, heat-treated, chrome-plated, polished
 Loader, backhoe swing and stabilizer cylinder rods 1.75 in. (44 mm) dia.
 Backhoe boom and bucket cylinder rods 2.25 in. (57 mm) dia.
 Backhoe crowd cylinder rod 2 in. (51 mm) dia.

Tires

Front	Rear
11L-15, 8-ply-rating, F3	16.9-24, 8-ply-rating, R4
7.50/8.00-16, 10-ply-rating, F3	19.5L-24, 8-ply-rating, R4
	21L-24, 12-ply-rating, R4
	19.5L-24, 12-ply-rating, R4

Wheel Treads:

Front	58 in. (1.47 m)
Rear	65 in. (1.65 m)

Capacities:

	U.S.	Imp.	Liters
Cooling system	12 qt.	10.0 qt.	11.4
Fuel tank	19.5 gal.	16.3 gal.	73.8
Engine lubrication, including filter	9 qt.	7.5 qt.	8.5
Transmission and hydraulic system	20.5 gal.	17.1 gal.	77.6
Transmission only	10 gal.	8.3 gal.	37.8

OPERATING INFORMATION

LOADER:

Rollback at ground level 40 deg.
 Breakout force 7500 lb. (33.62 kN) (3402 kg)
 Digging depth below ground level (with bucket level) 4 in. (102 mm)
 Lifting capacity, full height 5000 lb. (2268 kg)
 Height to bucket hinge pin 10 ft. 9 in. (3.28 m)
 Maximum dump angle 50 deg.
 Clearance, bucket dumped at 45 degrees 8 ft. 9.5 in. (2.68 m)
 Reach at maximum height, bucket dumped at 45 degrees 2 ft. 5.5 in. (749 mm)
 Raising time to full height 3.7 sec.
 Bucket dump time 1.3 sec.
 Lowering time (power) 3.0 sec.

BACKHOE:

Digging depth (ICED):
 Maximum 14 ft. 7 in. (4.45 m)
 2-ft. (610 mm) flat bottom 14 ft. 5 in. (4.39 m)
 8-ft. (2.44 m) flat bottom 13 ft. 5 in. (4.09 m)
 Swing arc 180 deg.
 Lifting capacity:
 Boom at full reach and full height 1500 lb. (680 kg)
 Dipper lifting, boom holding, full height 3100 lb. (1406 kg)
 Digging force (bucket cylinder in power-dig position) 9636 lb. (43.19 kN) (4371 kg)
 Digging force, crowd cylinder 6350 lb. (28.46 kN) (2880 kg)
 Reach from center of swing mast 17 ft. 4 in. (5.28 m)
 Reach from center of rear axle 20 ft. 5.5 in. (6.24 m)
 Loading height (truck-loading position) 9 ft. 11 in. (3.02 m)
 Transport height 11 ft. 3 in. (3.43 m)
 Bucket rotation Adjustable for 123, 126 or 154 deg.
 Bucket positions Adjustable for 24 or 16 deg. rollback and 2 deg. forward

Stabilizer Width:

Transport position 7 ft. 3 in. (2.21 m)
 Operating position (overall) 10 ft. 2 in. (3.10 m)
 Operating position (ICED) 8 ft. 9 in. (2.67 m)

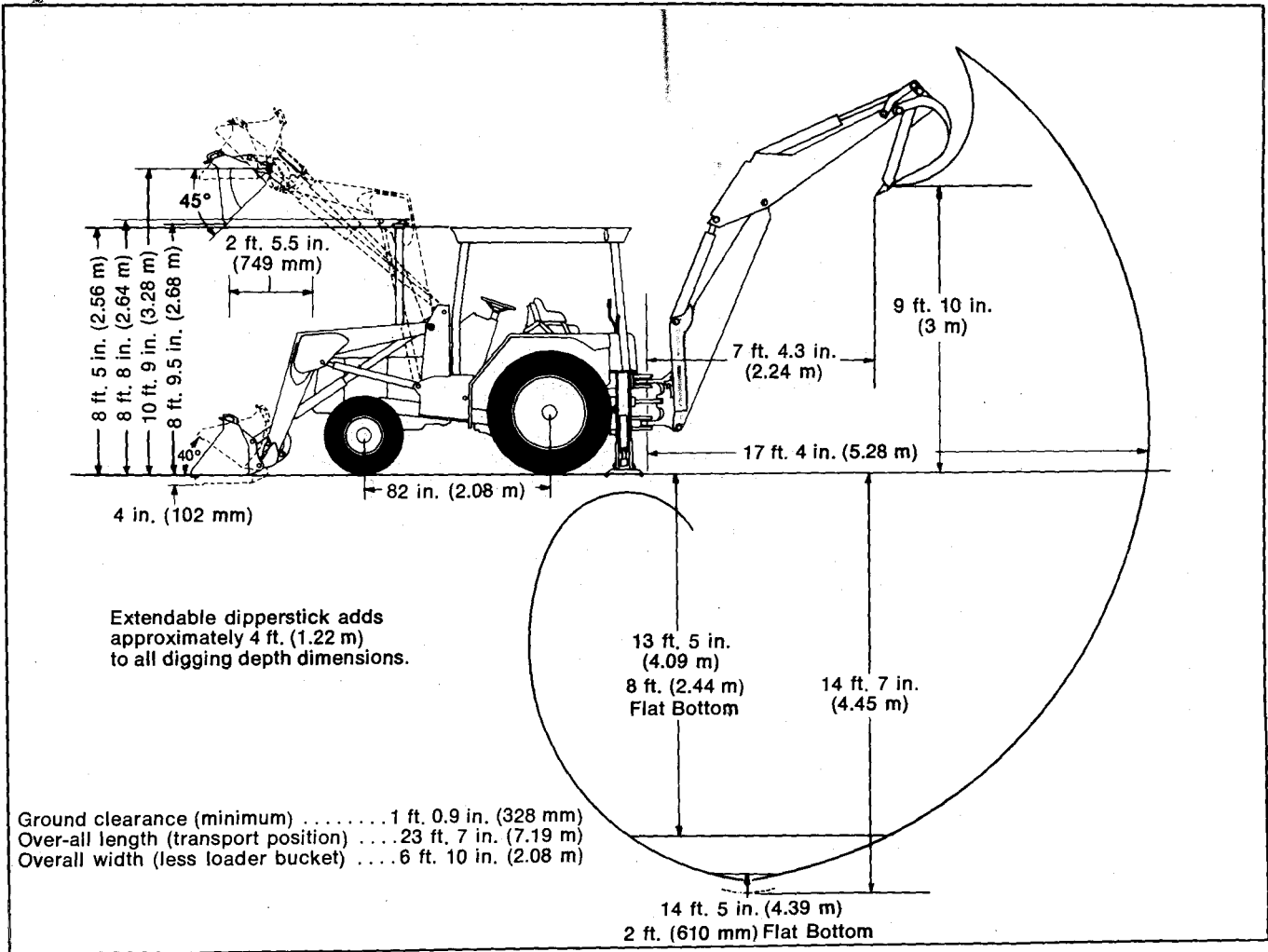
Buckets:

LOADER	Nominal Heaped Capacity	Width
	3/4 cu. yd. (0.57 m ³)	89.4 in. (2.27 m)
	1 cu. yd. (0.76 m ³)	89.4 in. (2.27 m)

BACKHOE

	Struck Capacity	Width
Standard	2.5 cu. ft. (0.071 m ³)	12 in. (305 mm)
	3.6 cu. ft. (0.102 m ³)	16 in. (406 mm)
	4.4 cu. ft. (0.125 m ³)	18 in. (457 mm)
	6.0 cu. ft. (0.170 m ³)	24 in. (610 mm)
	7.6 cu. ft. (0.215 m ³)	30 in. (762 mm)
	7.2 cu. ft. (0.204 m ³)	36 in. (914 mm)
Heavy-duty	4.4 cu. ft. (0.125 m ³)	18 in. (457 mm)
	6.0 cu. ft. (0.170 m ³)	24 in. (610 mm)
	7.6 cu. ft. (0.215 m ³)	30 in. (762 mm)
Ejector	4.2 cu. ft. (0.119 m ³)	24 in. (610 mm)

JD310-A BACKHOE LOADER DIMENSIONS

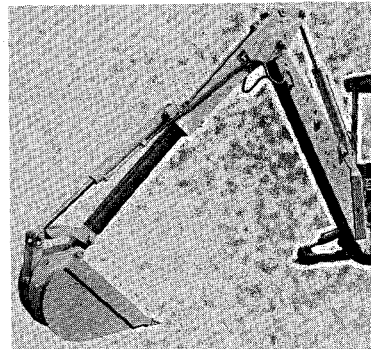


Additional Standard Equipment:

- Key switch w/ push-button safety start
 - Cushion-mount platform
 - Oil pressure indicator light
 - Alternator charge indicator light
 - Transistorized voltage regulator
 - Lights
 - Water temperature gauge
 - Fuel gauge
 - Electric hourmeter
 - Fenders
 - Differential lock
 - Bucket level indicator
 - Horn
 - Deluxe swing-around seat
 - Foot throttle
 - Antifreeze
 - Vandal protection
 - Rear reflector
 - Horizontal muffler w/ vertical exhaust
 - Electrically operated destroke valve for hydraulic pump
 - Cigaret lighter
 - Air cleaner restriction indicator
 - Tachometer
 - Ether starting aid
 - ROPS w/ seat belt and canopy
- SAE Operating Weight w/ROPS** 13,520 lb. (6133 kg)

Special Equipment:

- Front axle counterweight
- Cab w/ front and rear windshield wipers (includes ROPS)
- Cab heater
- Cab pressurizer
- Ripper tooth for backhoe
- Bolt-on stabilizer street pads
- Locking instrument panel cover
- Parking brake
- Backup alarm
- Reversible stabilizer pads
- Extendable dipperstick





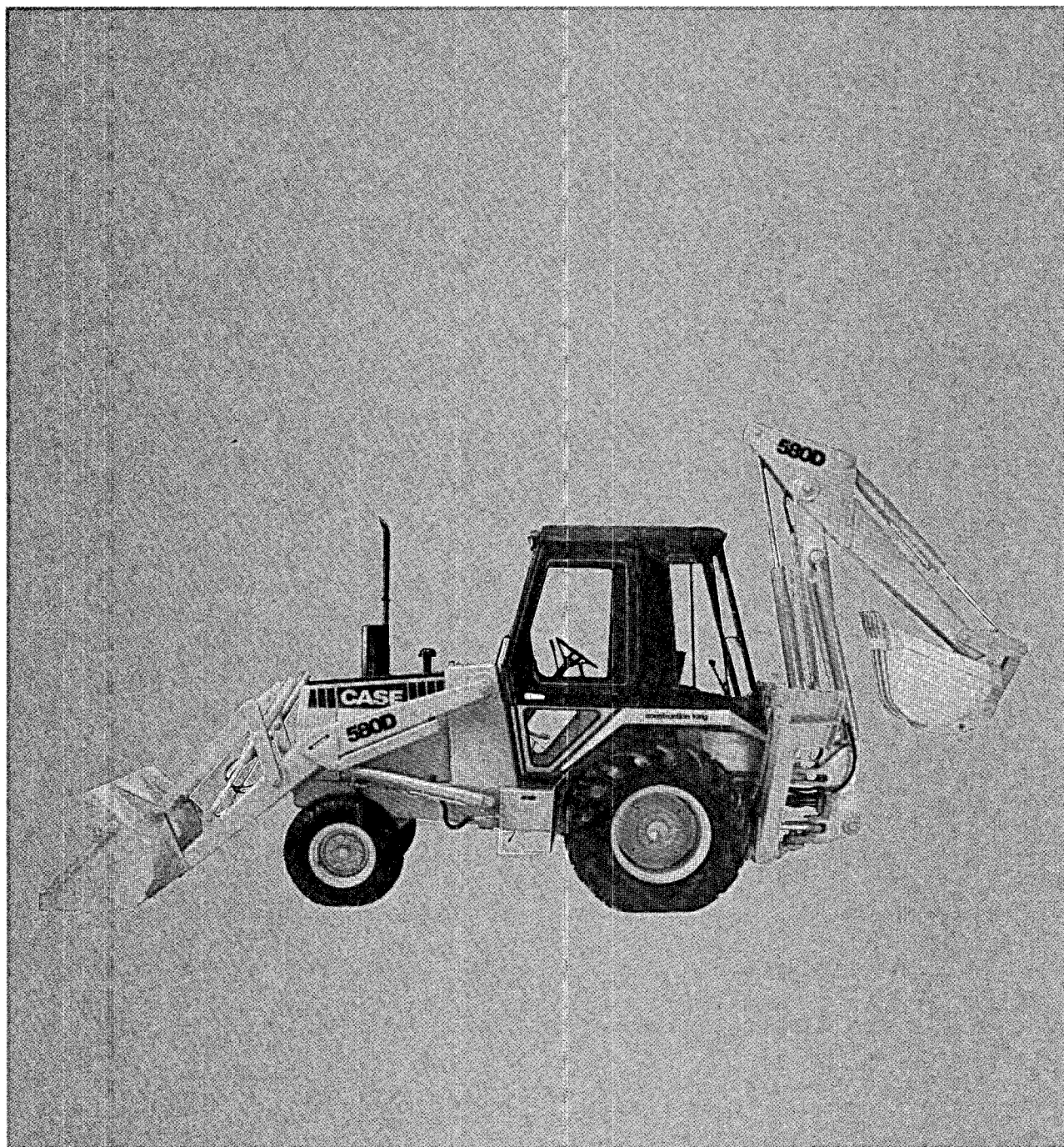
4-310A-4

LOADER/BACKHOES

580 Super D

580D

480D



NOTES:

580 SUPER D FEATURES

- Case Turbocharged Diesel
- 60 SAE Net Horsepower
- Torque Converter
- Power Shuttle
- Wheelbase - 82"
- Hydraulic Self-Adjusting Brakes
- Full Time Hydrostatic Steering
- 4-Speed Transmission
 - First Gear 3.5 MPH
 - Second Gear 6.5 MPH
 - Third Gear 12.2 MPH
 - Fourth Gear 21.5 MPH
- On-the-Go Shifting

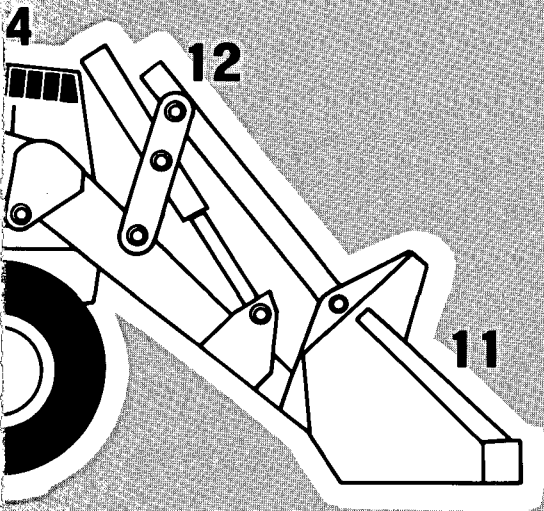
Loader

- Lift Capacity - 5155 lbs.
- Breakout Force - 7390 lbs.
- Hinge Pin Height - 10' 9.4"
- Bucket Rollback - 40°
- Buckets
 - .75 cu. yd. - 74" Wide
 - 1.0 cu. yd. - 82" Wide
 - 1.0 cu. yd. - 4-IN-1[®] - 82" Wide
- Single Lever Loader Control

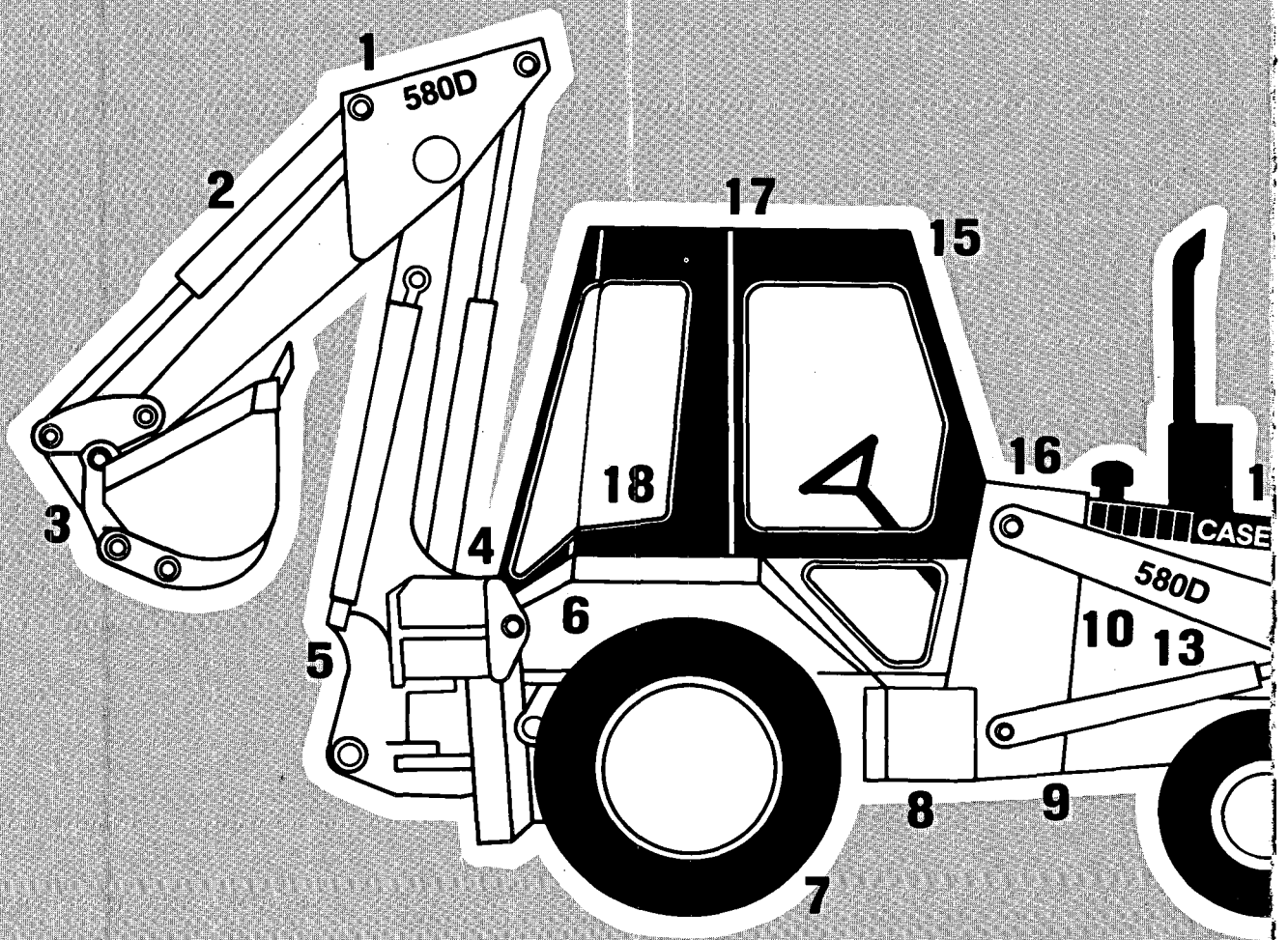
Backhoe

- Demand Performance Hydraulics
 - 30 GPM up to 2300 PSI
 - 23 GPM up to 2450 PSI
- Dig Depth - 14' 7"
- Reach from Swing Pivot - 21' 6.8"
- Loading Height - 11' 5.3"
- Stabilizer Spread - 9' 0.25"
- Bucket Digging Force - 10,446 lbs.
- Dipper Digging Force - 6,014 lbs.
- Boom Lift Capacity - Ground Line
 - 2,041 lbs.
- Dipper Lift Capacity - Full Height
 - 2,594 lbs.
- 14' to 18' Extendahoe[®] Option
- Buckets to 12" to 36" Wide
- Trenching and Heavy Duty
- 2.1 cu. ft. to 11.0 cu. ft. Capacity
- Boom Transport Release Inside of Cab

- 1- Increased Dipper Power
- 2- Increased Lift Capacities
- 3- Increased Bucket Power
- 4- New Transportation Lock
- 5- Rubber Cushion To Reduce Shock Loads
- 6- Isolate-Mounted Operator's Compartment
- 7- Torque Converter and Power Shuttle
- 8- Loader Control Valve
- 9- Componentized Powertrain
- 10- Fuel Efficient Diesel Engine
- 11- Increased Lift Capacities
- 12- Greater Breakout Power
- 13- Full Length Engine Side Panels
- 14- Sloping Black Hood With Recessed Openings
- 15- Recessed Lights
- 16- New "Demand Performance" Hydraulic System
- 17- New Cab With 24% More Visibility
- 18- New Turn-Around Seat and Pedestal



580D



580 SUPER D

1- Increased Dipper Speed

2- Hi-CAP Bucket

3- Increased Bucket Speed

4- Matched Backhoe

5- Increased Swing Speed

6- Increased Tractive Effort

7- Matched Powertrain

8- Turbocharged Diesel Engine

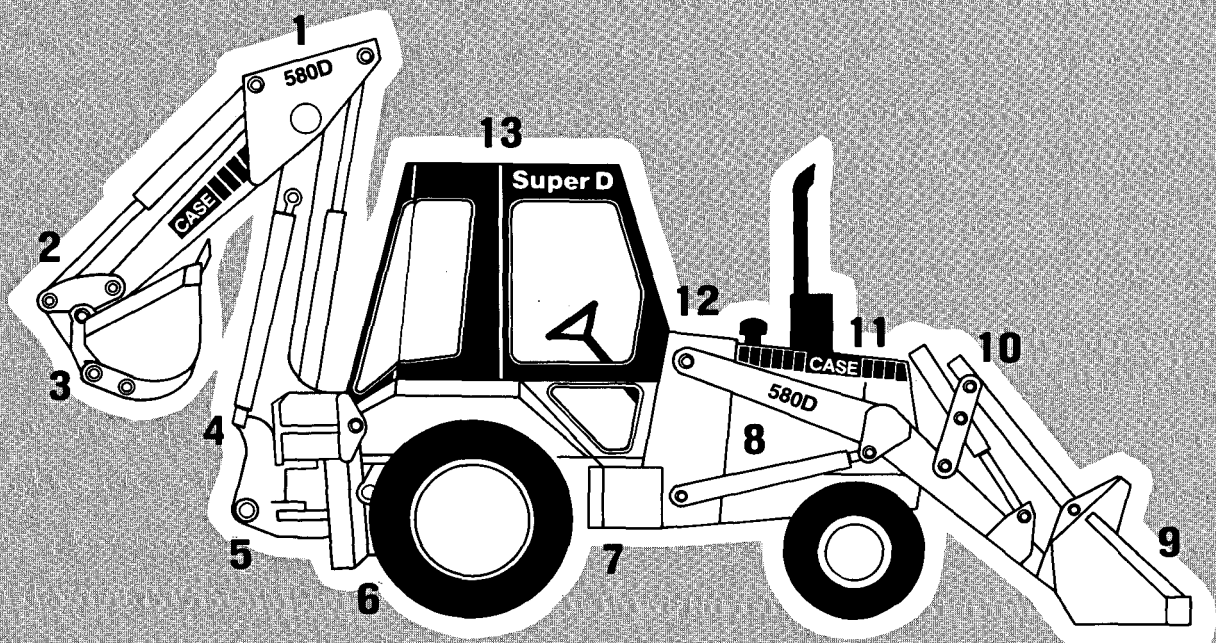
9- Long Lip Buckets

10- Power Linkage

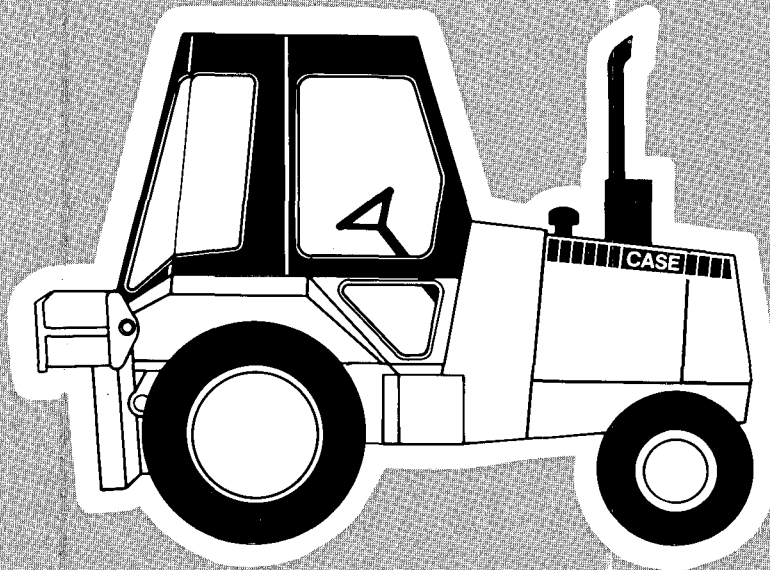
11- New Styling

12- New "Demand Performance"
Hydraulic System

13- New Isolate-Mounted
Compartment and Cab



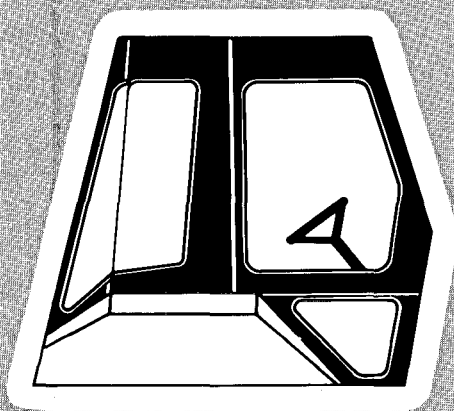
580D FEATURES



- 4-Speed Transmission
 - First Gear 3.4 MPH
 - Second Gear 6.4 MPH
 - Third Gear 11.9 MPH
 - Fourth Gear 21.0 MPH
- On-the-Go Shifting

- Case 207 Diesel
- 55 SAE Net Horsepower
- Torque Converter
- Power Shuttle

- Wheelbase - 82"
- Hydraulic Self-Adjusting Brakes
- Full Time Hydrostatic Steering

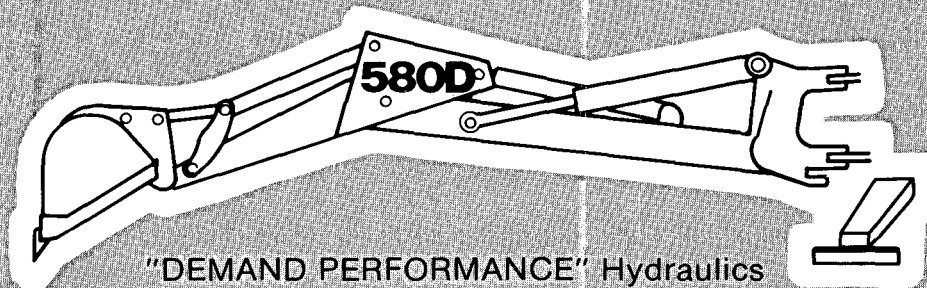
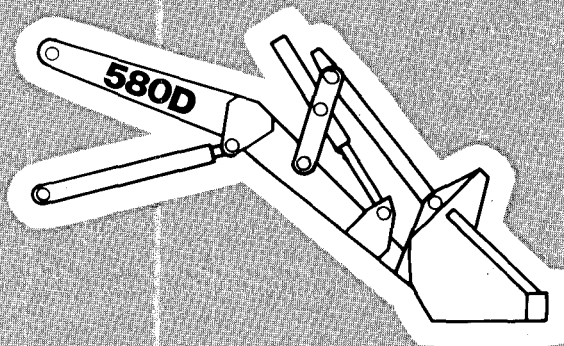


- One Level Floorboard
- 24% More Visibility
- One-Piece Subframe
- 4 Large Rubber "Isolation" Mounts
- 21% More Room Inside Operator's Compartment
- New Fenders - Visibility to the Rear Tires

480D FEATURES

- **Engine** - 47 SAE Net Horsepower
- **Torque Converter**
- **Power Shuttle**
 - First Gear 3.3 MPH
 - Second Gear 6.4 MPH
 - Third Gear 12.0 MPH
 - Fourth Gear 20.9 MPH
- **Rear Axle** - Differential Lock
- **Brakes** - TCH
 - Hydraulic
 - TCH Type Oil
 - Drum
- **Steering** - Full Time Hydrostatic
- **Wheelbase** - 80"
- **Hydraulic System**
 - Gear Pump
 - 23.9 GPM
 - Main Relief Pressure 2200 PSI
 - Full Flow 15-Micron Filter
- **Loader**
 - Lift Capacity - 3,000 lbs.
 - Breakout Force - 5,700 lbs.
 - Hinge Pin Height - 10' 7.5"
 - Buckets
 - .75 cu. yd. - 64" Wide
 - .78 cu. yd. - 74" Wide
 - .83 cu. yd. - 82" Wide
- **Backhoe**
 - Dig Depth - 12' 0.3"
 - Reach From Swing Pivot - 15' 8.6"
 - Loading Height - 8' 5"
 - Bucket Digging Force - 7,598 lbs.
 - Dipper Digging Force - 4,509 lbs.
 - 12' to 15' Extendahoe® Option
 - Buckets
 - 12" to 36" Wide
 - Trenching, and Heavy Duty
 - 2.1 cu. ft. to 10.44 cu. ft. Capacity

- Lift Capacity - 5,155 lbs.
- Breakout Force - 7,390 lbs.
- Hinge Pin Height - 10' 9.4"
- Bucket Rollback - 40°
- Bucket Dump - 45°
- Buckets
 - .75 cu. yd. - 74" Wide
 - 1.0 cu. yd. - 82" Wide
 - 1.0 cu. yd. - 4-IN-1® - 82" Wide
- Single Lever Loader Control



"DEMAND PERFORMANCE" Hydraulics

30 GPM up to 2300 PSI

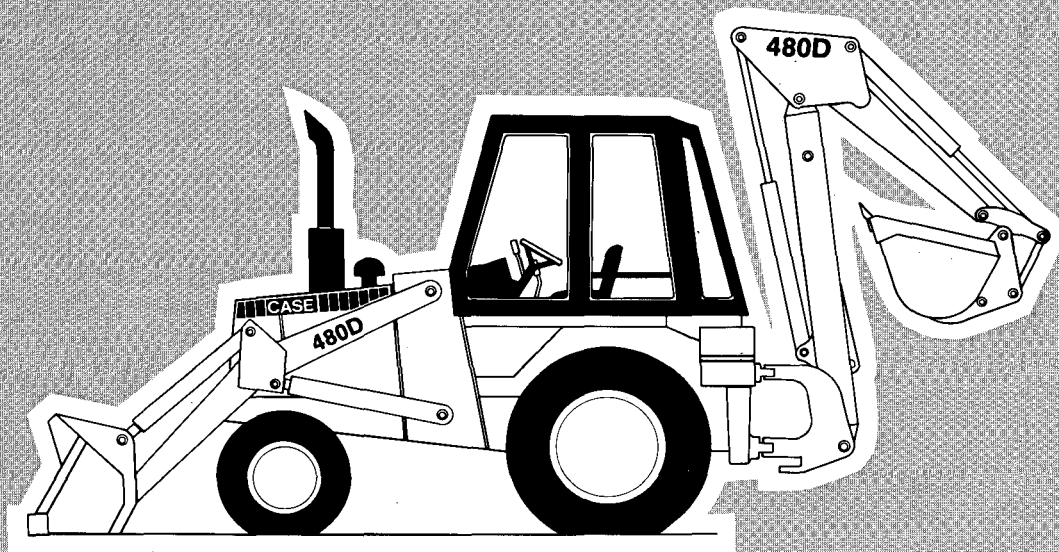
23 GPM up to 2450 PSI

"MORE YARDS PER GALLON"

- | | |
|--|---|
| <ul style="list-style-type: none"> ● Dig Depth - 14' 2.1" ● Reach from Swing Pivot - 17' 8" ● Loading Height - 11' 1.6" ● Stabilizer Spread - 9' 0.25" ● Bucket Digging Force - 10,446 lbs. ● Dipper Digging Force - 6,014 lbs. ● Boom Lift Capacity - Gd. Line - 2,255 lbs. ● Dipper Lift Capacity - Full Hgt. - 2,802 lbs. | <ul style="list-style-type: none"> ● 14' to 18' Extendahoe® Option ● Buckets 12" to 36" Wide ● Trenching and Heavy Duty ● 2.1 cu. ft. to 11.0 cu. ft. Capacity ● Boom Transport Release Inside of Cab ● Greater Stabilizer Lift Capacity ● Boom Down Increased 35% |
|--|---|

480D

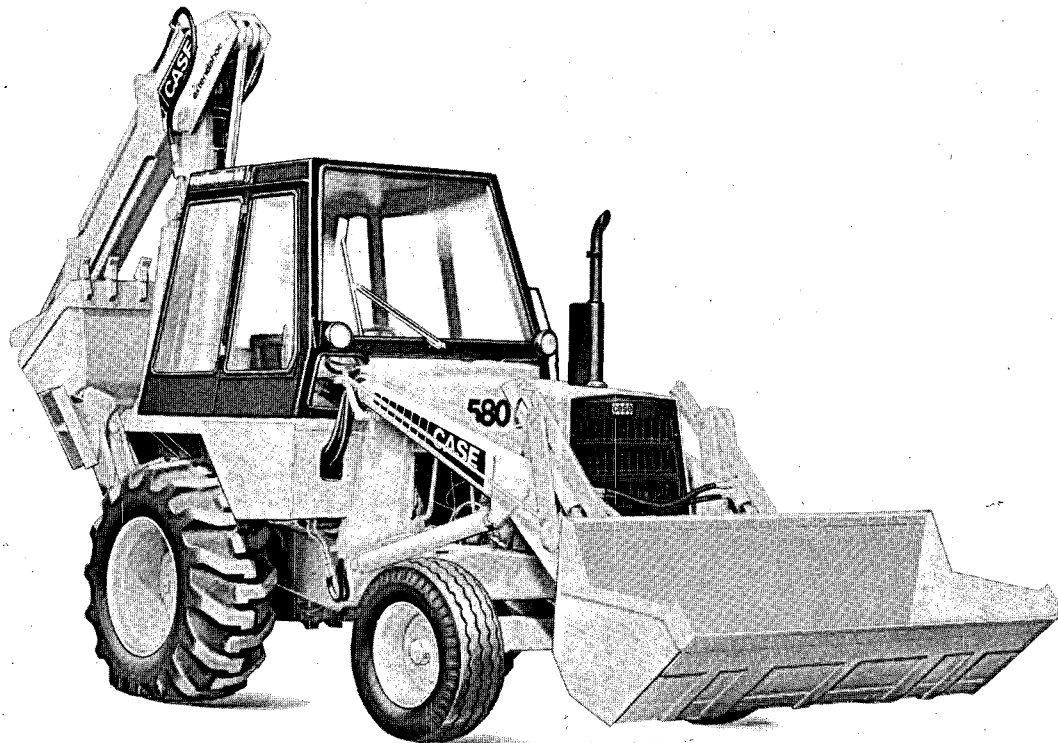
- 1- Improved Digging Power
- 2- New Over-Center Backhoe
- 3- Fully Enclosed Cab
- 4- Sealed Hydraulic System
- 5- Sloping Black Hood With Recessed Openings
- 6- Full Length Engine Side Panels
- 7- Unitized Mainframe
- 8- Power Shuttle and Torque Converter
- 9- Componentized Powertrain
- 10- Four-Speed Transaxle





CASE

580C Construction King.



55 (41 kW) SAE NET HORSEPOWER

Case-built 207 in³ (3392 cm³) high-torque diesel.

CHOICE OF TWO SYNCHRONIZED TRANSMISSIONS

8-speed mechanical shuttle or optional 4-speed with full power shuttle and torque converter.

CHOICE OF BACKHOES

14' (4267 mm) backhoe or 14'-18' (4267 - 5486 mm) telescoping Extendahoe. Over-center backhoe transport position for stability in loading and roading.

4,700 LB (2132 kg) SELF-LEVELING LOADER

Single lever controls bucket rollback, lift, dump, lower, float and return-to-dig.

UNITIZED MAIN FRAME

Absorbs heavy shock loads, maintains power train alignment, simplifies servicing.

COMPONENTIZED POWER TRAIN

Permits servicing of individual components without disturbing the rest of the drive line.

OPERATOR CONVENIENCE

Roomy work platform, sloping hood and grille, and 6-way adjustable seat improve visibility and operating efficiency.

Unit shown is equipped with non-standard items.

J I Case

A Tenneco Company

700 State Street Racine, WI 53404 U.S.A.



Specifications

580C Tractor

Construction King

ENGINE

Make and model	Case G207D diesel
Fuel	No. 2 diesel
Number of cylinders	4
Bore and stroke	4" x 4.125" (101.6 mm x 104.8 mm)
Displacement	207 in ³ (3392 cm ³)
Electrical system	12V
Battery	(2) 6V
Alternator	42 amp
Compression ratio	16.5 to 1
Fuel induction	Injectors
Fuel supply	Injection pump
Air cleaner	Dry type-replaceable element
Oil filter—full flow	Replaceable cartridge
Lubrication	Positive pressure
Cooling system	Pressurized—4 psi (0.28 kPa)
Horsepower	Power shuttle
(1) Mfg. rated	62 @ 2100 rpm
	(46.23 kW @ 2100 r/min)
(2) SAE net	55 @ 2100 rpm
	(41.01 kW @ 2100 r/min)
	Dry clutch
(1) Mfg. rated	57 @ 2100 rpm
	(42.50 kW @ 2100 r/min)
(2) SAE net	50 @ 2100 rpm
	(37.28 kW @ 2100 r/min)
	Power shuttle
(1) Mfg. rated	163 @ 1300 rpm
	(221 Nm @ 1300 r/min)
(2) SAE net	153 @ 1300 rpm
	(207 Nm @ 1300 r/min)
	Dry clutch
(1) Mfg. rated	147 @ 1400 rpm
	(199 Nm @ 1400 r/min)
(2) SAE net	137 @ 1400 rpm
	(185 Nm @ 1400 r/min)

- (1) Manufacturer's rating of maximum engine horsepower or torque at flywheel when equipped with oil and water pumps. Fuel set at maximum quantity for this application. Corrected to sea level 29.92" (760 mm) Hg and 60°F (16°C) dry air.
- (2) SAE net flywheel horsepower or torque of engine as applied to this vehicle when equipped with operating accessories including oil and water pumps, alternator, air cleaner, fan and muffler. Corrected to 500' (152.4 m) altitude with .38" (10 mm) Hg vapor pressure 29.38" (746 mm) Hg observed barometer and 85°F (29°C) per SAE J816a specifications.

POWER TRAIN

Standard transmission: 8-speed synchronized sliding spur gear with dual range lever and synchronized shuttle shift. Permits on-the-go shifting up from 2nd to 3rd to 4th and down from 4th to 3rd in both Hi and Lo ranges.

Optional transmission: 4-speed sliding spur gear with full power shuttle and torque converter. Permits on-the-go shifting up from 2nd to 3rd to 4th and down from 4th to 3rd.

Clutch: Foot-operated, mechanical, single plate, dry disc, 11" (279.4 mm) diameter with ferrometallic lining (not on torque converter models).

Torque converter: Single-stage hydrokinetic type (2.53 to 1 ratio) — optional.

Reversing unit: Standard — synchronized sliding gear (manual). Optional — full power (hydraulic clutches)

Brakes: Individual or simultaneous foot-actuated, hydraulic self-adjusting, 6.5" (165 mm) bands and disc with over-center type parking brake.

Differential lock.

FRONT AXLE RATING

Dynamic	44,000 lbs (19 958 kg)
Static	11,500 lbs (5216 kg)

REAR AXLE RATING

Dynamic	54,000 lbs (24 494 kg)
Static	13,500 lbs (6123 kg)

STEERING

Power steering	Hydrostatic
Turning ratio (stop to stop)	2-3/4 turns
Cylinders — two, double acting	1.5" dia x 6.5" stroke (38.1 mm dia x 165.1 mm stroke)

CAPACITIES

Cooling system	5.25 gal (19.8 liters)
Fuel tank	22 gal (83 liters)
Engine lubricating oil w/filter	7 qts (6.6 liters)
w/o filter	6 qts (5.7 liters)
Transmission	
Power shuttle	8 qts (7.6 liters)
Mechanical shuttle	2 qts (1.9 liters)
Steering	3 qts (2.8 liters)
Reservoir fill	1 qt (1.9 liters)
Hydraulic reservoir refill	17 gal (64 liters)
Hydraulic reservoir refill and filter	17.5 gal (66 liters)

TRACTOR OPERATIONAL DATA

Curb clearance circle diameter — w/o brakes	24'1" (7340 mm)
w/brakes	21'2" (6451 mm)

TRAVEL SPEEDS mph (km/h) of standard loader/backhoe

Standard: Synchronized shuttle shift transmission with ferrometallic clutch @ high idle (2300 rpm), 14.9 x 24, R4 tires:

	1st		2nd		3rd		4th	
	mph	km/h	mph	km/h	mph	km/h	mph	km/h
Low range								
Forward	2.1	3.4	4.1	6.6	7.7	12.4	13.9	22.4
Reverse	2.6	4.2	5.1	8.2	9.6	15.4	17.5	28.2
Direct range								
Forward	3.4	5.5	6.6	10.6	12.5	20.1	22.5	36.2
Reverse	4.3	6.9	8.1	13.0	15.3	24.6	27.9	44.9

Optional: Full power shuttle transmission and torque converter @ high idle (2300 rpm) (2300 r/min), 14.9 x 24, R4 tires:

	1st		2nd		3rd		4th	
	mph	km/h	mph	km/h	mph	km/h	mph	km/h
Forward	3.9	6.3	6.8	10.9	12.2	19.6	21.4	34.4
Reverse	3.5	5.6	6.1	9.8	11.0	17.7	19.5	31.4

TRACTOR DIMENSIONS

Overall length	10'11.3" (3327 mm)
Overall width	6'5.5" (1968 mm) to 6'8.1" (2034 mm)
Height to top of ROPS	8'6" (2591 mm)
Height to top of cab	8'6" (2591 mm)
Height to top of exhaust stack	8'9" (2667 mm)
Height to top of steering wheel	5'11.8" (1824 mm)
Ground clearance (tractor main frame)	10.8" (356 mm)
Front wheel tread	4'11" (1499 mm) to 5'2" (1575 mm)
Rear wheel tread	5' (1524 mm) to 5'6" (1676 mm)
Wheel base	6'10" (2083 mm)

NOTE: Specifications taken with 7.50 x 16, 10PR, (L1) rib front tires, 14.9 x 24, 6PR, (R4) rear tires, ROPS 14' (4267 mm) backhoe, loader, 74" (1880 mm) short lip and 24" (610 mm) trenching bucket, and standard equipment unless otherwise specified.

TRACTOR APPROXIMATE SHIPPING WEIGHTS

	Power shuttle and torque converter	Dry clutch
Drawbar tractor with ROPS	5614 lbs (2546 kg)	5614 lbs (2546 kg)

580C TIRES

Used on all machines

Type	Size	Ply Rating	Tread	PSI	Pressure kg/cm ²
Front	7.50x16	10	(L1) Rib	56	3.9
Front	7.50x16	10	(L1) Truck Tread	56	3.9
Front	11Lx16	10	(L1) Truck Tread	48	3.4

Used on all machines without Extendahoe

Rear	14.9x24	6	(R4) Utility Traction	20	1.4
Rear	14.9x24	8	(R4) Utility Traction	24	1.7
Rear	16.9x24	8	(R4) Utility Traction	24	1.7
Rear	17.5Lx24	6	(R4) Ind. Sure Grip	16	1.1
Rear	17.5Lx24	8	(R4) Ind. Sure Grip	22	1.5

Used on machines with Extendahoe

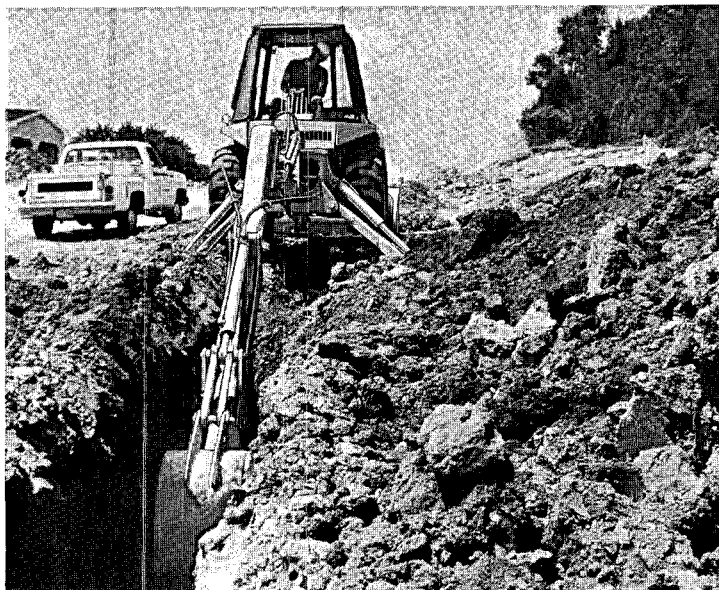
Rear	16.9x24	8	(R4) Utility Traction	24	1.7
Rear	17.5Lx24	8	(R4) Ind. Sure Grip	22	1.5

TRACTOR STANDARD EQUIPMENT

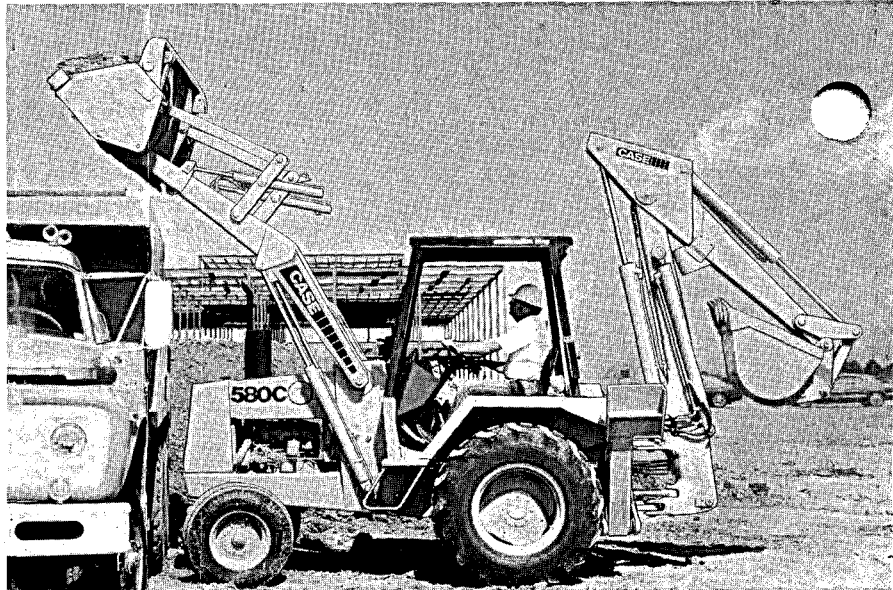
Anti-freeze solution to -20°F (-29°C). Heavy-duty front axle with fixed tread of 59" (1499 mm). Dry type replaceable cartridge air cleaner. Heavy-duty clutch. Swinging drawbar. 12-volt electrical system. Case G207D diesel. Rear fenders. Full flow oil filter. Floor plates. Front wrapper and heavy-duty grille. Gauges and instruments: condition light for loader and backhoe hydraulic system filter, converter temperature gauge (power shuttle tractor), fuel level gauge, temperature gauge, hourmeter, engine speed indicator (tachometer), engine oil pressure warning light, alternator indicator light, air cleaner restriction light. Illuminated instrument cluster. ROPS canopy with two shock-mounted headlights and combination rear working and red taillight. Up-right oval muffler with deflector. Deluxe easy-ride seat. Hydrostatic steering. Hand and foot throttles. 14.9 x 24, 6PR, R4 Utility Traction tread rear tires. 7.50 x 16, 10PR, L1 front tires. Tool box. 8-speed mechanical shuttle transmission with clutch.

OPTIONAL EQUIPMENT

ROPS cab with seat belt. Anti-freeze to -40°F (-40°C). Engine side panels. Lock-up kit. Horn. Combination tail, stop, directional lights with flasher attachment. 23 hp (17.15 kW) 540 rpm (540 r/min) hydrostatic PTO with 6 tooth SAE 1.375" (35 mm) shaft. Front end weights. Modular 3-point hitch. Noise suppression kit. 4-speed power shuttle with torque converter. Back-up alarm. SMV emblem. Spark-arresting muffler. Cold weather starting aid. Arm rest. Rotating beacon. Heater and defroster. Special paint. Junior Road King seat.



14'-18' (4267 mm - 5486 mm) telescoping Extendahoe provides up to 4' (1219 mm) of extra reach and dig depth.



Self-leveling loader keeps payloads moving.



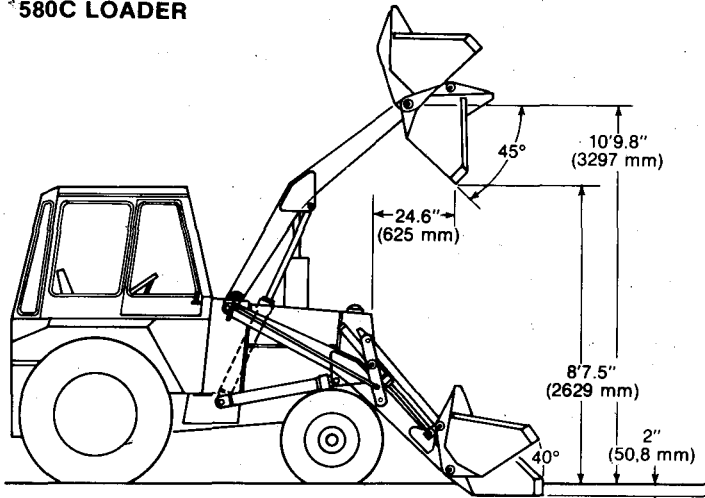
Case 3-point Mod Hitch increases job opportunities.



14' (4267 mm) backhoe speeds excavating and truck loading cycles.

Sold and serviced by:
PINEY WOODS TRACTOR & IMP., INC.
 2705 SOUTH MEDFORD DRIVE
 713-632-3394
 LUFKIN, TEXAS 75901

580C LOADER



OPERATIONAL DATA*

Lift capacity to full height	4700 lbs (2132 kg)	
Height to bucket hinge pin	10'9.8" (3297 mm)	
Bucket rollback at ground line	40°	
Breakout force	7200 lbs (3266 kg)	
Dump angle at full height	45°	
Grading angle	110°	
	Short Lip	Long Lip
Digging depth below ground bucket flat	2" (50.8 mm)	2" (50.8 mm)
Dump clearance at full height 45° dump	8'7.5" (2629 mm)	8'3" (2515 mm)
Dump reach at full height 45° dump	24.6" (625 mm)	28.6" (726 mm)
Reach—bucket on ground	5'11" (1808 mm)	6'5" (1956 mm)
Raising time to full height	4.4 sec	4.4 sec
Bucket dumping time	.8 sec	.8 sec
Lowering time, power down	3.0 sec	3:0 sec
Return-to-dig	3.6 sec	3.6 sec

*Measurements taken with backhoe installed.

LOADER DIMENSIONS

Overall operating height	13'2.8" (4034 mm)	13'2.8" (4034 mm)
Overall length—with loader	15'5.9" (4722 mm)	15'11" (4851 mm)
Overall width—with C/W or 3 pt. hitch	6'5.5" (1968 mm)	6'5.5" (1968 mm)
Turning clearance circle — bucket rollback—hinge pin at SAE carry position		
—brake turn	30'2.25" (9169 mm)	30'7" (9322 mm)
—without brakes	32'3" (9830 mm)	32'10" (10 008 mm)

LOADER APPROXIMATE SHIPPING WEIGHTS (less buckets)

NOTE: Weights include loader without bucket — with rear mounting arms — without rear attachments. Each machine is with 7.50 x 16, 10PR, (L1) Rib front tires and 14.9 x 24, 6PR, (R4) Utility Traction rear tires.

207D diesel—power shuttle	6875 lbs (3118 kg)
207D diesel—dry clutch	6875 lbs (3118 kg)
Rear counterweight	add 1495 lbs (678 kg)

LOADER BUCKET SIZES

Inch	mm	Type	Capacities (SAE)		Struck		Weight	
			Heaped	ft ³	m ³	ft ³	m ³	lbs
74	1880	Short Lip	21.06	0.60	17.81	0.50	600	272
74	1880	Long Lip	23.26	0.66	20.33	0.58	640	290
74.75	1899	4-in-1	23.84	0.67	19.62	0.56	1040	472
82	2083	Long Lip	27.69	0.78	23.59	0.67	760	345
82	2083	4-in-1	26.70	0.76	21.91	0.62	1130	513

LOADER HYDRAULIC SYSTEM

Hydraulic pump: Positive displacement, gear type
 Pump capacity: 26 gpm @ 2100 rpm @ 2300 psi (98 l/min @ 2100 r/min @ (15.85 kPa)
 Power shuttle and dry clutch
 Control valve main relief pressure (Loader valve): 2300 ± 50 psi (Cartridge relief) (15.85 ± 344 kPa)
 3-point hitch: 1800 ± 50 psi 12.41 ± 344 kPa

Filtration: 25 micron, full-flow replaceable cartridge on return line. Condition indicator gauge for filter.

Loader control valves: Mono-cast, two or three spool. Single lever control for lift and tilt. Extra lever for 4-in-1 bucket. Lift lever has positive hold "float" position and "return-to-dig" feature.

Loader cylinders:

Lift (2)	3" dia x 31.5" stroke, 1.75" rod (76 mm dia x 800 mm stroke, 44 mm rod)
Tilt (2)	2.5" dia x 20" stroke, 1.5" rod (64 mm dia x 508 mm stroke, 38 mm rod)
Clam (2)	3" dia x 9" stroke, 1.75" rod (76 mm dia x 229 mm stroke, 44 mm rod)

Hydraulic lines: steel tubing with brazed or flared fittings and wire-braid, high pressure hose with crimped, full-flow fittings.

4-IN-1® BUCKET OPERATIONAL AND DIMENSIONAL DATA

Lift capacity to full height	4170 lbs (1891 kg)
Height to bucket hinge pin	10'10" (3302 mm)
Bucket rollback at ground line	40°
Dump angle at full height	50°
Grading angle — clam closed	118°
Digging depth below ground — bucket flat	4.5" (114 mm)
Digging depth — using clam	46" (1168 mm)
Dozing depth — clam open	4.5" (114 mm)
Dump clearance at full height—50° dump—clam dump	97.2" (2926 mm)
—bucket dump	8'6" (2591 mm)
Dump reach at full height — 50° dump	1'9" (533 mm)
Breakout force	6370 lbs (28 335 N)
Reach — bucket on ground	54" (1372 mm)
Raising time to full height	4.4 sec
Bucket dumping time	.8 sec
Lowering time, power down	2.5 sec
Return-to-dig	3.0 sec
Overall operating height	15'2.5" (4635 mm)
Overall length — with bucket on ground	15'10.6" (4841 mm)
Turning clearance circle — brake turn	31'4" (9550 mm)
— without brakes	33'2" (10 109 mm)
Ground clearance (at backhoe main frame)	10.5" (267 mm)
Width of dozer cutting edge	6'9.3" (2065 mm)
Maximum clam opening	3'1.3" (947 mm)
Moldboard height	2'10.5" (876 mm)

NOTE: Specifications taken with 7.50 x 16, 10PR, (L1) Rib front tires, 14.9 x 24, 6PR, (R4) Utility Traction rear tires, 4-in-1 bucket, ROPS canopy 14" (4267 mm), backhoe w/24" (610 mm) trenching bucket and standard equipment.

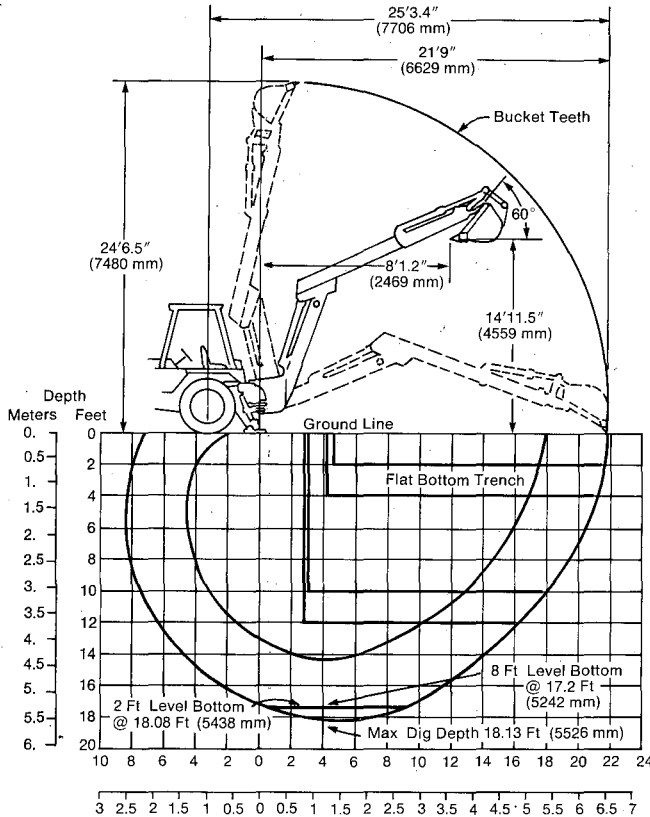
LOADER MODEL STANDARD EQUIPMENT

All tractor standard equipment with fixed disc wheels (no drawbar) plus loader (less bucket) and hydraulic system complete. Hydraulic-leveling. Single lever control. Return-to-dig. Bucket position gauge.

LOADER MODEL OPTIONAL EQUIPMENT

All tractor optional equipment plus: Rear counterweight. Bucket teeth. Backfill blade. Pallet forks. Accessory hydraulics.

14' - 18' (4267 - 5486 mm) EXTENDAHOE



Overall length, loader bucket —

SAE carry position	22'3.6"
— short lip bucket	(6797 mm)
— long lip bucket	22'8.7"
	(6926 mm)
— 4-in-1 bucket	22'6.2"
	(6863 mm)

Ground clearance at backhoe

main frame	10.5"
	(267 mm)

NOTE: Specifications taken with 24" (610 mm) trenching bucket, 74" (1880 mm) short lip loader bucket, 7.50 x 16, 10PR, (L1) Rib front tires, 17.5L x 24, 8PR, (R4) Utility Traction rear tires, front 700 lb (318 kg) counterweight, ROPS canopy and standard equipment unless otherwise specified.

HYDRAULIC EXTENDAHOE APPROXIMATE SHIPPING WEIGHTS w/ROPS (less buckets)

G207D diesel — power shuttle	11,440 lbs (5189 kg)
G207D diesel — dry clutch	11,400 lbs (5189 kg)
Front counterweight for Extendahoe	705 lbs (320 kg)

EXTENDAHOE HYDRAULIC SYSTEM

See loader section for details.

BACKHOE CYLINDERS

Backhoe

Stabilizer (2)	4" dia x 19.4" stroke, 2" rod
	(102 mm dia x 503 mm stroke, 51 mm rod)
Swing (2)	4" dia x 11.2" stroke, 2" rod
	(102 mm dia x 285 mm stroke, 51 mm rod)
Boom (2)	3.2" dia x 42.1" stroke, 1.75" rod
	(83 mm dia x 1069 mm stroke, 44 mm rod)
Dipper (1)	4" dia x 35.12" stroke, 2" rod
	(102 mm dia x 892 mm stroke, 51 mm rod)
Bucket (1)	3.5" dia x 30.6" stroke, 2" rod
	(89 mm dia x 777 mm stroke, 51 mm rod)
Dipper Extension (1)	3" dia x 48" stroke, 1.5" rod
	(76 mm dia x 1219 mm stroke, 38 mm rod)

EXTENDAHOE STANDARD EQUIPMENT

All tractor standard equipment with fixed disc wheels. Loader (less bucket) with single-lever control, return-to-dig and bucket position gauge. Hydraulic telescoping Extendahoe (less bucket). Complete hydraulic system including three-lever, foot swing backhoe control. Quick-disconnect mounting. Single, turn around seat. Cleated stabilizers. Front counterweight.

EXTENDAHOE OPTIONAL EQUIPMENT

Same as 14' (4267 mm) backhoe.

3-POINT MOD HITCH OPERATIONAL DATA

Cylinders:

Lift (1)	3" dia x 8.4" stroke, 1.5" rod
	(76 mm dia x 214 mm stroke, 38 mm rod)
Tilt (1)	2.5" dia x 6.31" stroke, 1.25" rod
	(64 mm dia x 160 mm stroke, 32 mm rod)
Pitch (1)	2.5" dia x 7" stroke, 1.25" rod
	(64 mm dia x 178 mm stroke, 32 mm rod)

MOD HITCH HYDRAULICS

3-point Hitch: Sectional valve with four spools — lift, tilt, pitch and auxiliary. This is a pressure compensated valve with a detented "float" position in the lift spool. The main relief valve in this valve is adjusted lower than loader system pressure. (Optional lock check and globe valve kit.)

MOD HITCH APPROXIMATE SHIPPING WEIGHTS

Rear counterweight	1495 lbs (678 kg)
3-point hitch	708 lbs (321 kg)

Extendahoe and Construction King are trademarks of J I Case Company.

NOTE: All specifications are stated in accordance with ICED Definitions or SAE Standards or Recommended Practices, where applicable.

Important

J I Case Company reserves the right to change these specifications without notice and without incurring any obligation relating to such changes.

580C TELESCOPING HYDRAULIC 14' TO 18' (4267 - 5486 mm) EXTENDAHOE

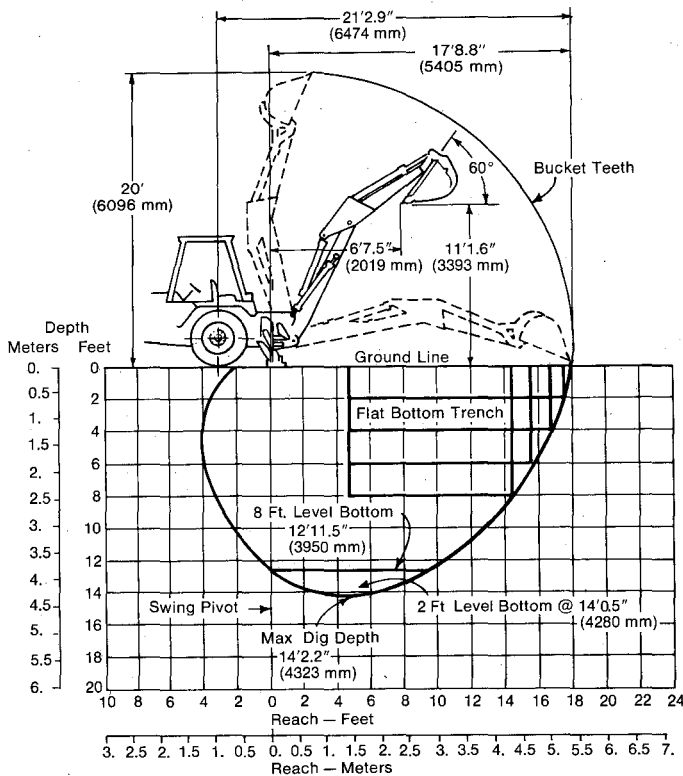
HYDRAULIC EXTENDAHOE OPERATIONAL DATA

	Retracted	Extended
Digging depth — SAE	14'3"	18'1.5"
	(4343 mm)	(5524 mm)
Overall reach from rear axle centerline	21'5.8"	25'3.1"
	(6548 mm)	(7699 mm)
Digging radius from swing pivot	17'11.5"	21'9"
	(5479 mm)	(6629 mm)
Loading height	12'2.2"	14'11.5"
	(3713 mm)	(4559 mm)
Loading reach	5'5"	8'1.2"
	(1651 mm)	(2469 mm)
Bucket rotation — #1 position	162°	162°
— #2 position	146°	146°
Swing arc	180°	180°
Stabilizer spread in operating position		
— angled	9'1.5"	9'1.5"
	(2781 mm)	(2781 mm)
— straight	9'5"	9'5"
	(2870 mm)	(2870 mm)
Stabilizer angle from straight position	20°	20°
Digging force, bucket cylinder, SAE	9827 lbs	9827 lbs
	(43 713 N)	(43 713 N)
Digging force, dipper cylinder, SAE	5374 lbs	3747 lbs
	(23 905 N)	(16 667 N)
Leveling angle (maximum grade on which the backhoe will make a vertical cut)		
— stabilizers angled	12°	12°
— stabilizers straight	13°	13°

HYDRAULIC EXTENDAHOE DIMENSIONS

Overall height maximum	20'9.5"	24'6.5"
	(6337 mm)	(7480 mm)
Transport height	11'4.3"	
	(3462 mm)	
Overall width — travel position		
— stabilizers angled	6'11.8"	6'11.8"
	(2128 mm)	(2128 mm)
— stabilizers straight	7'9.2"	7'9.2"
	(2367 mm)	(2367 mm)

14' (4267 mm) BACKHOE



580C CONSTRUCTION KING WITH LOADER AND 14' (4267 mm) BACKHOE OPERATIONAL DATA

Overall reach from rear axle centerline.....	21'2.6" (6467 mm)
Digging radius from swing pivot.....	17'8.5" (5398 mm)
Digging depth — SAE.....	14'2.2" (4523 mm)
Loading height.....	11'1.6" (3393 mm)
Loading reach.....	6'7.5" (2019 mm)
Swing arc.....	180°
Bucket rotation — #1 position.....	166°
— #2 position.....	151°
Stabilizer spread in operating position	
— angled.....	9'1.5" (2781 mm)
— straight.....	9'5" (2870 mm)
Stabilizer spread in transport position	
— angled.....	6'11.8" (2128 mm)
— straight.....	7'9.2" (2367 mm)
Stabilizer angle from straight position.....	20°
Digging force, bucket cylinder, SAE.....	9732 lbs (43 290 N)
Digging force, dipper cylinder, SAE.....	5549 lbs (24 683 N)
Leveling angle (maximum grade on which the backhoe will make a vertical cut)	
— stabilizers angled.....	12°
— stabilizers straight.....	13°

14' (4267 mm) BACKHOE DIMENSIONS

Overall height, maximum.....	20' (6096 mm)
Transport height.....	11'2.5" (3416 mm)
Overall width—travel position	
— stabilizers angled.....	6'11.8" (2128 mm)
— stabilizers straight.....	7'9.2" (2367 mm)
Overall length — transport position	
— short lip bucket.....	21'10" (6655 mm)
— long lip bucket.....	22'3.1" (6784 mm)
— 4-in-1 bucket.....	22'6" (6721 mm)
Ground clearance at backhoe main frame.....	10.5" (267 mm)
Angle of departure.....	22°

580C WITH 14' (4267 mm) BACKHOE APPROXIMATE SHIPPING WEIGHTS (less buckets)

207D diesel — power shuttle.....	10,185 lbs (4620 kg)
207D diesel — dry clutch.....	10,185 lbs (4620 kg)

NOTE: Specifications taken with 24" (610 mm) trenching bucket, 74" (1880 mm) short lip loader bucket, 7.50 × 16, 10PR, (L1) Rib front tires, 14.9 × 24, 6PR, (R4) Utility Traction rear tires, ROPS canopy and standard equipment unless otherwise specified.

580C BACKHOE HYDRAULIC SYSTEM

One basic hydraulic system serves both loader and backhoe. For complete details, see loader section.

Backhoe cylinders:

Stabilizer (2).....	4" dia × 19.4" stroke, 2" rod (102 mm dia × 503 mm stroke, 51 mm rod)
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Swing (2).....	4" dia × 11.2" stroke, 2" rod (102 mm dia × 285 mm stroke, 51 mm rod)
Boom (2).....	3.2" dia × 42.1" stroke, 1.75" rod (83 mm dia × 1069 mm stroke, 44 mm rod)
Dipper (1).....	4" dia × 35.12" stroke, 2" rod (102 mm dia × 892 mm stroke, 51 mm rod)

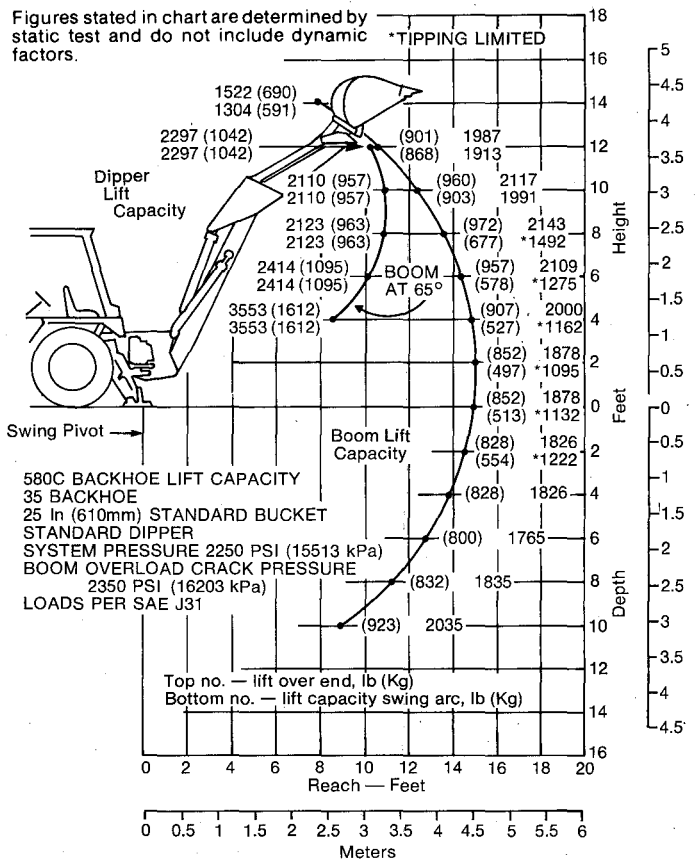
Backhoe controls: Sectional valve with four spools — boom, dipper, bucket and swing. Foot swing or hand swing (optional), regeneration and hydraulic cushioned swing stops.

Mono-cast, two spool valve for stabilizers with pilot check valves.

BACKHOE BUCKETS

Width Inch mm	Type	Weight	
		lbs	kg
12 305	Trenching	217	98
18 457	Trenching	258	117
24 610	Trenching	295	134
30 762	Trenching	330	150
36 914	Trenching	378	171
18 457	HD Trenching	326	148
24 610	HD Trenching	386	175
30 762	HD Trenching	446	202
36 914	HD Trenching	475	215
12 305	Bellhole	122	55
16 406	Bellhole	170	77
30 762	Bellhole	236	107
36 914	Bellhole/Graveyard	263	119
	Frost point	161	73

LIFT CAPACITY FIGURES ON THIS CHART ARE 87% OF THE MAXIMUM LIFT FORCE PER SAE DEFINITION.



Top number/Lift capacity within 45° either side of prime mover. *Figures are stability limited and are 75% of tipping load.
Bottom number/Lift capacity anywhere within full swing arc.

14' (4267 mm) BACKHOE STANDARD EQUIPMENT

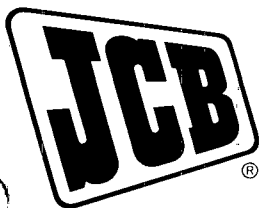
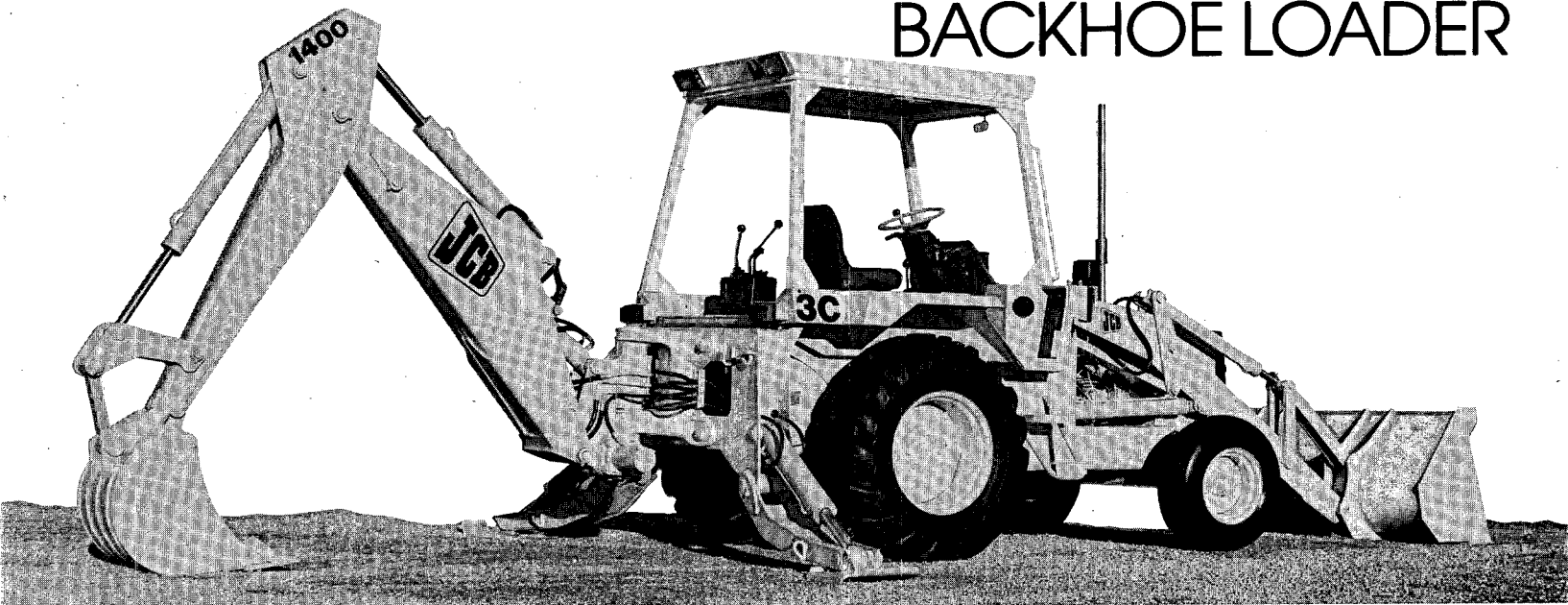
All tractor standard equipment with fixed disc wheels (no drawbar). Model 35 Loader (less bucket) with hydraulic-leveling, single lever control, return-to-dig and bucket position gauge. Model 35 Backhoe (less bucket) with quick-disconnect mounting and single, turn around seat. Cleated stabilizers. Complete hydraulic system including three-lever, foot swing backhoe control.

14' (4267 mm) BACKHOE OPTIONAL EQUIPMENT

All tractor and loader optional equipment plus frost point ripper tooth. Dual-lever backhoe controls in lieu of foot swing. Case dipper light. Street-cemetery stabilizer pads. Heavy-duty Duro Mat pads. Heavy-duty backhoe teeth. Front counterweight. Boom lockout. Boom cylinder guards.

JCB 3C 1400

BACKHOE LOADER



CHOICE OF CENTERMOUNT OR SIDESHIFT BACKHOES

14'1" standard backhoe or optional JCB Extending Dipper to 18'2" dig depth.

FRONT LOADER

1 $\frac{1}{4}$ cu yd bucket with 6000 lb lift capacity.

HIGH TORQUE DIESEL ENGINE

66 SAE gross horsepower, 230 cu in, 4-cylinder, wet sleeve.

TRANSMISSION

4-speed, fully synchronized for on-the-go shifting. Power shuttle and torque converter.

CHOICE OF 2WD or 4WD

With JCB Torque Proportioning Axle.

INTEGRAL CHASSIS

Protects power train from shock loads. Ensures power train alignment and ease of service.

COMPONENTIZED POWER TRAIN

Reduces repair time and cost through ease of serviceability.

OPERATOR'S COMPARTMENT

Spacious flat deck design with fully adjustable seat. Choose ROPS Canopy or Cab.

FULL RANGE OF ATTACHMENTS

Over 30 attachments available for increased versatility and productivity.

POWER TRAIN

Componentized power train mounted in an integral chassis with resiliently mounted engine, torque converter, reverser and gearbox assembly connected via a drive shaft to the JCB Torque Proportioning Rear Axle. The power train is protected by an Audio/Visual Fault Monitoring System.

ENGINE

Manufacturer and model	Leyland 4-98NT
Displacement	230 cu in (3.77 Litres)
Number of cylinders	4 (wet sleeve)
Bore and stroke	3.86 in x 4.92 in (98 mm x 125 mm)
Cycle	4
Aspiration	Natural
Horsepower @ 2000 rpm	
(1) SAE Gross	66 (49.5 kW)
(2) SAE Net	62 (46.25 kW)
Maximum torque @ 1200 rpm	
(1) SAE Gross	182 ft-lb (247 Nm)
(2) SAE Net	171 ft-lb (232 Nm)
Compression ratio	16.8:1
Main bearings	5
Fuel type	No. 2 diesel
Maximum governed speed	2000 rpm
Fuel supply	Direct injection
Air cleaner	Dry cyclonic type/replaceable element
Oil filter	Full flow/replaceable element
Lubrication	Positive pressure
Cooling system	Water cooled/pressurized
Fan	Suction

ELECTRICS

Electrical system	12 volts/negative ground with alternator and voltage regulator
Battery	(1) 12 volts 93 amp-hr
Alternator	43 amps nominal output—45 A rated output

ELECTRICS OPTION

Battery	(1) 12 volts 96 amp-hr
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TRANSMISSION

4-speed forward and reverse—full synchromesh gearbox. Constant mesh gears on all ratios permits on-the-go shifting 1st through 4th and down 4th through 1st.

TRANSMISSION DISCONNECT

Foot-operated power disconnect for on-the-go shifting and fast loader lift, dump and lower with engine running at high rpm.

TORQUE CONVERTER

11" heavy-duty with 2.2 stall ratio.

REVERSING SHUTTLE

Power shuttle operated by hand lever provides instant forward and reverse direction change.

REAR AXLE

JCB Torque Proportioning Axle. Final drive from differential to rear wheels via bull gear.

FRONT AXLE WITH STANDARD 2WD

Oscillation 5°/3.3 in (82.5 mm) each direction from centerline.

FRONT AXLE WITH OPTIONAL 4WD

Oscillation 8°/3.3 in (82.5 mm) each direction from centerline. Selectable 4WD after full stop by hand lever. Front wheel drive powered by JCB Torque Proportioning Rear Axle via drive shaft to front axle differential.

Final drive from differential to front wheels via planetary reduction in each wheel. Planetary units can be removed independently of wheels. On-the-go shifting 1st through 4th and down 4th through 1st is retained in 4WD.

SERVICE BRAKES

Hydraulically actuated, self-balancing, fully enclosed, oil immersed, multi-disc, externally accessible, individually or simultaneously foot actuated.

Diameter	8 in (203 mm)
Friction area per brake	310 in ² (200,000 mm ²)

PARKING BRAKE

Independent, hand actuated, caliper/disc, over-center, drive shaft mounted, also functions as an emergency brake system.

Diameter	11 in (279 mm)
Friction area per brake	4.7 in ² (3025 mm ²)

TRAVEL SPEED

Travel speeds of 2WD backhoe loader at 2150 rpm equipped with 18.4 x 24, R-4 rear tires.

	1st	2nd	3rd	4th
	MPH Km/H	MPH Km/H	MPH Km/H	MPH Km/H
Forward	3.6 (5.8)	5.9 (9.6)	10.5 (16.8)	19.6 (31.6)
Reverse	3.2 (5.2)	5.3 (8.6)	9.4 (15.2)	17.6 (28.4)

CAPACITIES

	U.S. GAL	LITRE
Cooling system	3.7	14.0
Fuel tank	23.8	90.0
Engine lubricating oil with filter	2.4	9.0
Torque converter and shuttle	2.9	11.0
Gearbox	.9	3.4
Rear axle	7.8	29.5
Front/steer axle (4WD only)		
Differential	1.8	7.0
Hubs (right and left)	.4	1.5
Swing actuator	1.1	4.0
Hydraulic reservoir	19.2	72.5
Total hydraulic system	33.6	127.0
Hydraulic filter	1.7	6.5

STEERING

Emergency manual operation for safety. Steering unit provides emergency steering capability in case of power failure.

Type	Front wheel
Power steering	Hydrostatic
Cylinder	(1) double acting

AXLE RATING

Front axle rating	
Static	57,000 lb (25,855.0 kg)
Dynamic	22,000 lb (9,979.1 kg)
Rear axle rating	
Static	42,000 lb (19,051.1 kg)
Dynamic	14,000 lb (6,233.3 kg)

NOISE LEVELS

External levels at 22 ft 11 in (7 m) at governed rpm	
Standard build	82.0 dB
Standard build with sound suppression kit	79.0 dB

POWER TRAIN OPTIONS

Sound suppression kit

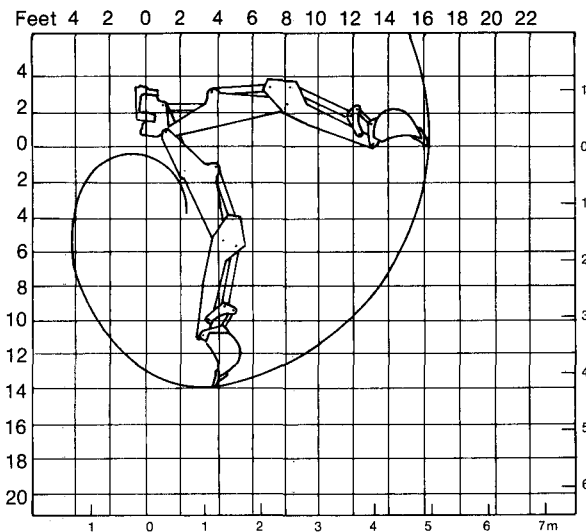
JCB3C1400

FACTORY/FIELD FITTED HAND HELD HYDRAULIC ATTACHMENTS (OPTIONAL)

- Stanley 65 lb Class Hydraulic Breaker
- Stanley 87 lb Class Hydraulic Breaker
- Stanley Hydraulic Backfill Tamper (Model TA55)
- Stanley 500 gpm Submersible Water Pump
- Stanley 375 gpm Submersible Water Pump

FACTORY/FIELD FITTED BACKHOE ATTACHMENTS (OPTIONAL)

- JCB Extending Dipper
- Jaw Buckets
- Backfill Blade
- Asphalt Cutter
- Ripper Tooth
- ESCO VIP Heavy-Duty Rock Bucket
- Ditch Cleaning Buckets
- Tapered Ditching Buckets
- Backhoe Lifting Hook
- JCB-125 Dipper Mounted Hydraulic Powerbreaker
- JCB-400S Dipper Mounted Hydraulic Powerbreaker



TIRES

Type	Size	Ply Rating	Tread	Tire Code	PSI	Pressure kg/cm ²
FRONT						
Standard 2WD	11L x 16	10	Ribbed	L-1	52	3.59
Standard 4WD	12.0 x 16.5	10	Industrial	—	60	4.14
REAR						
Standard 2WD	16.9 x 24	8	Industrial	R-4	31	2.14
Standard 4WD	16.9 x 24	8	Industrial	R-4	31	2.14
Optional	16.9 x 24	8	Traction	R-1	33	2.28
Optional	16.9 x 24	10	Industrial	R-4	36	2.48
Optional	16.9 x 24	10	Traction	R-1	40	2.76
Optional	18.4 x 24	8	Industrial	R-4	32	2.21
Optional	18.4 x 24	10	Industrial	R-4	32	2.21
Equipped w/Extending Dipper						
Standard	18.4 x 24	10	Industrial	R-4	32	2.21

JCB SERIES 1000 PRODUCT SUPPORT

WHEN YOU CHOOSE JCB SERIES 1000 YOU ALSO CHOOSE OUTSTANDING DEALER SUPPORT.

Machine Application Analysis—Your dealer can provide technical assistance when you're choosing the JCB Model, attachments and options right for your kind of work.

Financing—Our dealers know your financing needs are infinitely different. We can help you choose the finance plan right for you. Financing options include rentals with or without option to purchase, leases...

"Three Lines Of Defense Against Downtime"

In-The-Field—The optional JCB Uptime Kit has over 20 parts which are mounted directly on the machine for instant in-the-field repairs.

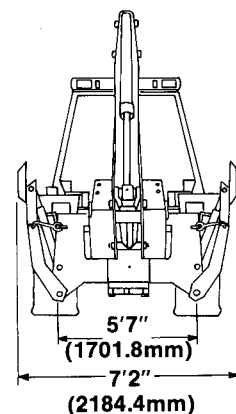
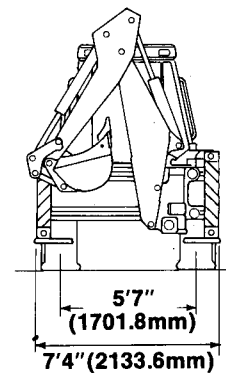
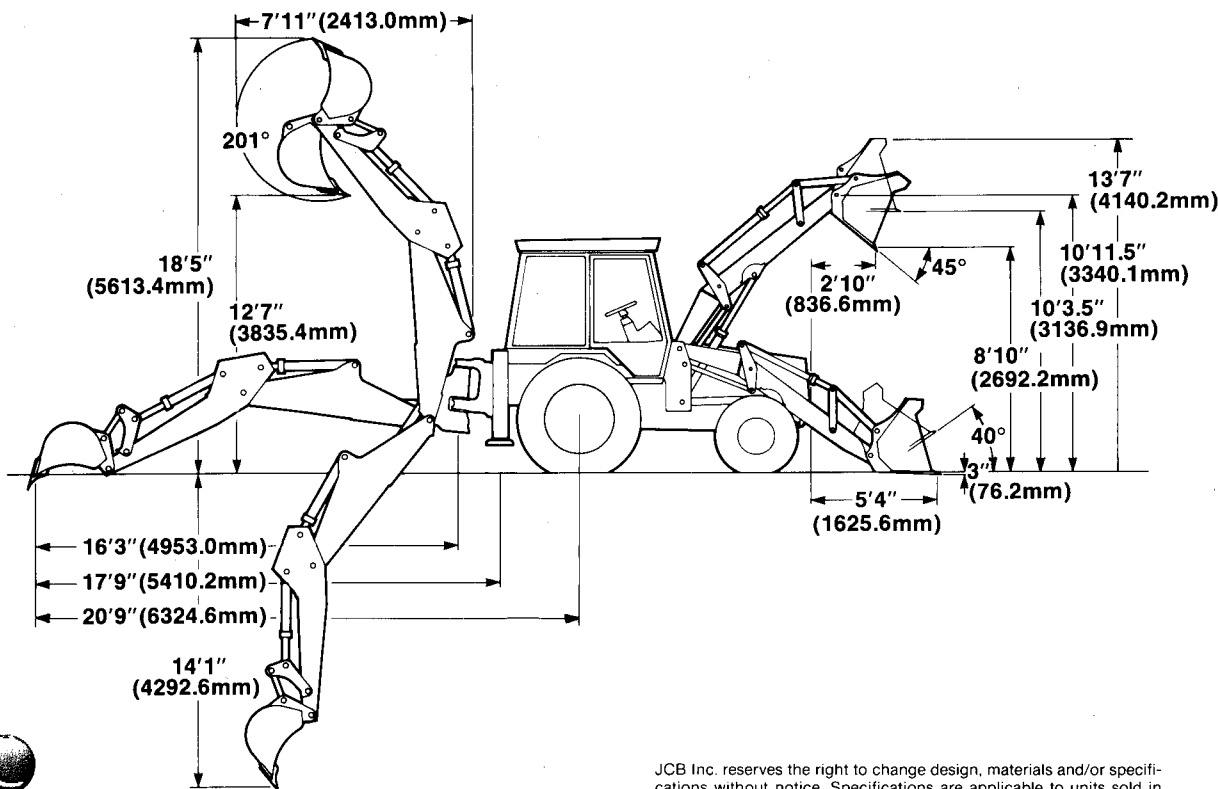
Over-The-Counter—Your dealers' convenient locations offer excellent over-the-counter parts availability including Component Exchange. Many JCB Dealers offer parts availability guarantees. If a part is not available within the guaranteed time period, the customer receives that part free of charge.

Regional Parts Depots—For that part your dealer may not have in stock, there is the JCB-SDD "Same Day Dispatch" Program. Since 1976 JCB has maintained over 99% availability from our 3 regional parts depots: Baltimore, MD; Dallas, TX; Burlington, ONT.

Service—When you need the service of an experienced factory-trained mechanic, your dealer's mechanics are ready to help you on the jobsite or in the shop.

JCB Series 1000... durable, versatile and backed by outstanding dealer support. To find out more about Series 1000 or, for a no-obligation demonstration, stop by or call the dealer location nearest you.

Sales ■ Rentals ■ Financing ■ Parts ■ Service
See Your JCB Dealer



JCB Inc. reserves the right to change design, materials and/or specifications without notice. Specifications are applicable to units sold in Canada and the United States and may vary outside these areas.

BACKHOE DIMENSIONAL SPECIFICATIONS

	Standard 1400 Backhoe	1400 Backhoe w/ Extending Dipper
*Digging depth (mfg rated maximum)	14'1" (4,292.6 mm)	18'2" (5,537.2 mm)
Transport height	10'7" (3,225.8 mm)	11'2" (3,403.6 mm)
Overall overhang—transport position		
Straight	10'1" (3,073.4 mm)	10'1" (3,073.4 mm)
Tucked (sideshift only)	6'2.5" (1,892.3 mm)	6'2.5" (1,892.3 mm)
Swing pivot to rear axle	4'5.5" (1,358.9 mm)	4'5.5" (1,358.9 mm)
Ground clearance @ swing actuator	14" (355.6 mm)	14" (355.6 mm)
Reach from rear axle centerline	20'9" (6,324.6 mm)	24'8" (7,518.4 mm)
Reach from stabilizer pad centerline (not illustrated)		
Centermount	13'6" (4,140.2 mm)	17'4" (5,308.6 mm)
Sideshift	14'4" (4,368.8 mm)	18'3" (5,562.5 mm)
Reach from swing pivot centerline	16'3" (4,953.0 mm)	20'2" (6,146.8 mm)
Reach over the side from swing pivot centerline		
Centermount	16'3" (4,953.0 mm)	20'2" (6,146.8 mm)
Sideshift (fully shifted)	17'11" (5,461.0 mm)	21'10" (6,654.8 mm)
Reach over the side from outside stabilizer		
Centermount	12'4" (3,759.2 mm)	15'7" (4,749.8 mm)
Sideshift (fully shifted)	14'4" (4,368.8 mm)	18'4" (5,588.0 mm)
Overall operating height—fully raised	18'5" (5,613.4 mm)	21'10" (6,654.8 mm)
Loading height (maximum)	12'7" (3,835.4 mm)	15'9" (4,800.6 mm)
Loading reach at full height	7'11" (2,413.0 mm)	9'7" (2,921.0 mm)
Bucket rotation	201°	201°

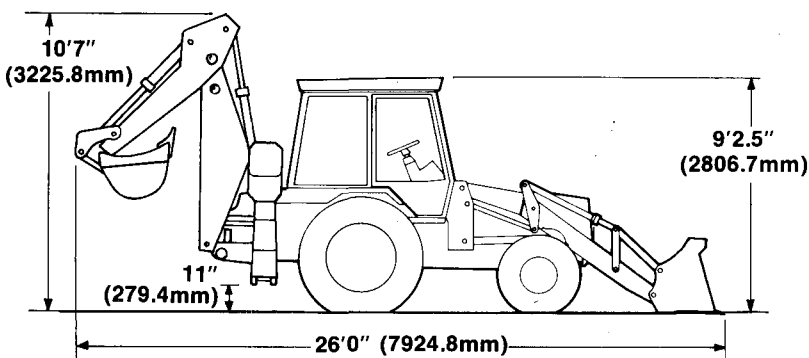
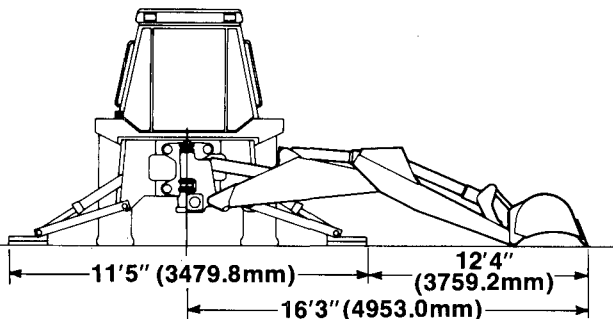
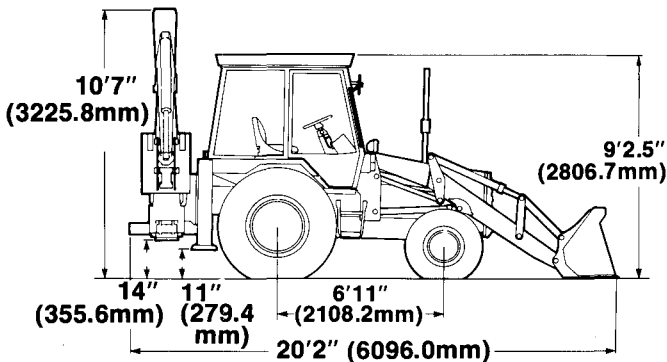
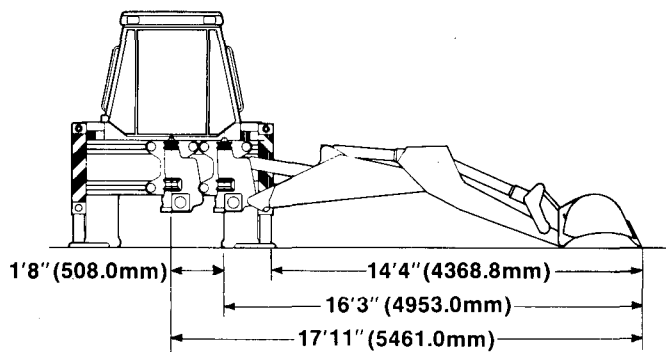
CENTERMOUNT BACKHOE

Stabilizer spread—operating position/from outside pad/fully stabilized	11'5" (3,479.8 mm)
Stabilizer spread—transport position/from outside pad	7'6" (2,286.0 mm)
Overall width @ loader bucket	7'4" (2,235.2 mm)
Leveling angle (maximum grade backhoe will dig a vertical cut)	15°
Stabilizer angle from straight position	10.5°
Swing arc	180°

SIDESHIFT BACKHOE

Stabilizer spread—operating position/from outside pad	7'4" (2,235.2 mm)
Stabilizer spread—transport position/from outside pad	7'4" (2,235.2 mm)
Overall width	
Straight @ stabilizers	7'4" (2,235.2 mm)
Tucked @ stabilizers and tipping lever	7'8.5" (2,349.5 mm)
Leveling angle (maximum grade backhoe will dig a vertical cut)	7°
Swing arc	180°
Sideshift—(maximum machine centerline to swing pivot centerline fully shifted)	1'8" (508.0 mm)
Wall clearance—(minimum swing pivot centerline to outside of stabilizer fully shifted)	2'0" (609.6 mm)

JCB 3C1400



LOADER DIMENSIONAL SPECIFICATIONS

Bucket hinge pin @ full height	10'11.5" (3,340.1 mm)
Dump angle @ full height	45°
Dump clearance @ full height 45° dump	8'10" (2,692.4 mm)
Loadover height	10'3.5" (3,136.9 mm)
Overall operating height—fully raised	13'7" (4,140.2 mm)
Reach bucket on ground	5'4" (1,625.6 mm)
Maximum reach @ full height	3'5" (1,041.4 mm)
Dump reach @ full height 45° dump	2'10" (836.6 mm)
Bucket rollback @ ground line (maximum)	40°
Bucket rollback @ full height (maximum)	52°
Digging depth—below groundline	
bucket flat	3" (76.2 mm)
Curb clearance circle outside front wheel	
bucket in carry position	
w/inner wheel braked	19'10" (6,045.2 mm)
w/o inner wheel braked	33'7.5" (10,248.9 mm)
Angle of approach	59°
Angle of departure (Centermount)	19°
Angle of departure (Sideshift)	15°

LOADER OPERATIONAL SPECIFICATIONS

Lift capacity to full height	6,000 lb (2,722 kg)
Breakout force (maximum)	
Bucket	11,928 ft-lb (5,410 kg)
Loader arms	9,500 ft-lb (4,310 kg)
Loader cycle times @ 2000 rpm	
Raise time to full height	4.4 sec
Dump time	2.0 sec
Lower time (powerdown)	2.8 sec
Return to dig time	3.8 sec
Rollback time	2.0 sec

GENERAL DIMENSIONS

*NOTE: Dimensional and operational specifications are based on unit equipped with 11L x 16, 10 ply, L-1 front tires, 16.9 x 24, 12 ply, R-4 rear tires, 1¼ cu yd loader bucket, 24" standard backhoe bucket and other equipment specified as standard on base machine. Maximum dig depth with loader extended.

Overall length	26'0" (7,924.8 mm)
Backhoe straight transport position	26'0" (7,924.8 mm)
Sideshift backhoe tucked transport position	20'2" (6,096.0 mm)
Overall width	
Centermount backhoe	
Backhoe straight	7'2" (2,184.4 mm)
Sideshift backhoe	
Backhoe straight	7'4" (2,133.6 mm)
Backhoe tucked @ stabilizer	7'8.5" (2,349.5 mm)
Wheel base	6'11" (2,108.2 mm)
Tread width	
Front	5'11" (1,803.4 mm)
Rear	5'7" (1,701.8 mm)
Height to top of standard backhoe—	
Travel position	10'7" (3,225.8 mm)
Height to top of extending dipper—	
Travel position	11'2" (3,403.6 mm)
Height to top of exhaust	8'10.5" (2,705.1 mm)
Height to top of ROPS Cab	9'2.5" (2,806.7 mm)
Height to top of ROPS Canopy	9'0" (2,743.2 mm)
Height to top of steering wheel	6'9" (2,057.4 mm)
Ground clearance (minimum)	
Centermount @ stabilizer pivot	11" (279.4 mm)
Sideshift @ stabilizer pad	11" (279.4 mm)

JCB3C1400

BACKHOE OPERATIONAL SPECIFICATIONS

1400 CENTERMOUNT and SIDESHIFT BACKHOES

	Standard 1400 Backhoe	1400 Backhoe w/ Extending Dipper
Digging force (SAE)		
Bucket cylinder	9,030 lb (4,096 kg)	9,030 lb (4,096 kg)
Dipper cylinder	5,910 lb (2,681 kg)	2,933 lb (1,330 kg)
Lift Capacity		
Boom at full reach w/o bucket	2,270 lb (1,030 kg)	1,433 lb (650 kg)
Dipper w/o bucket (maximum)	2,825 lb (1,282 kg)	
Backhoe cycle time @ 2000 rpm		
Boom lift cylinder		
Extend	4.9 sec	4.9 sec
Retract	3.7 sec	3.7 sec
Dipper crowd Cylinder		
Extend	3.2 sec	3.2 sec
Retract	2.0 sec	2.0 sec
Bucket dig cylinder		
Extend	2.6 sec	2.6 sec
Retract	2.0 sec	2.0 sec
Swing cylinder— 90° to center	2.2 sec	2.2 sec
Extending dipper Cylinder		
Extend	**N/A	4.2 sec
Retract	**N/A	3.2 sec
Stabilizer cylinder— Centermount		
Lower	2.4 sec	2.4 sec
Raise	4.8 sec	4.8 sec
Stabilizer cylinder— Sideshift		
Lower	2.5 sec	2.5 sec
Raise	3.0 sec	3.0 sec
Swing System Type Rack & Pinion		

**Not applicable

BACKHOE BUCKETS *

Width in	Type mm	Capacities				Weight		No. of Teeth
		Heaped cu ft	m ³	Struck cu ft	m ³	lb	kg	
12	305	2.5	.07	2.0	.06	225	102	3
14	356	3.0	.09	3.0	.09	240	109	3
18	457	4.5	.13	3.5	.10	255	116	3
24	610	6.5	.18	4.5	.13	310	140	4
30	762	8.0	.24	6.0	.17	355	162	5
36	914	10.0	.30	7.0	.21	435	198	5

*Heavy duty buckets available

BACKHOE CONTROLS

Standard—two (2) lever "+" pattern control

BACKHOE FEATURES

Standard features
 Centermount with outriggers or sideshift with vertical stabilizers
 Automatic dipper cylinder rod end cushioning
 Automatic swing cushioning

STABILIZER PADS

Standard—steel pad with cleat
 Optional—street pad with heavy-duty rubber pad bolted directly to the standard steel pad with cleat

SHIPPING WEIGHT (APPROXIMATE)

Complete backhoe loader with standard equipment less backhoe bucket.

CENTERMOUNT AND SIDESHIFT MODELS

Canopy 13,275 lb (6,020 kg)
 Cab 13,911 lb (6,316 kg)

HYDRAULICS

Hydraulic system type Open center
 Pump type Positive displacement, gear type
 Pump capacity:
 Standard pump 24 gpm @ 2000 rpm @ 3000 psi
 87 l/min @ 2000 r/min @ 211 kg/cm²
 Filtration Return line filter and suction strainer
 with filtromatic clean fill system.
 Filter surface area 3209 in² (2.07 m²)

HYDRAULIC OPTIONS

Optional tandem pump Required to operate backhoe mounted hydraulic attachments and hand held hydraulic attachments.
 Primary 24 gpm @ 2000 rpm @ 3000 psi
 87 l/min @ 2000 r/min @ 211 kg/cm²
 Secondary 12 gpm @ 2000 rpm @ 2000 psi
 45 l/min @ 2000 r/min @ 140 kg/cm²
 Stabilizer safety check valves Standard on centermount.
 Optional on sideshift models.
 Useful in loading, lifting, craning operations. Check valve will prevent the cylinder from retracting if there is a sudden drop in hydraulic pressure.

HYDRAULIC CYLINDERS

All hydraulic cylinders are double acting with the exception of the single acting swing cylinders.

Function	Quantity	Bore		Stroke		Rod Diameter	
		in	mm	in	mm	in	mm
Boom	1	4	100	35 ⁷ / ₈	910	2 ³ / ₈	60
Dipper	1	4	100	25 ³ / ₄	654	2 ³ / ₈	60
Bucket	1	3 ¹ / ₂	90	30	761	2	50
Stabilizer- Centermount	2	4	100	19 ¹ / ₂	500	2 ³ / ₈	60
Stabilizer- Sideshift	2	2 ³ / ₄	70	25 ¹ / ₂	648	1 ¹ / ₁₆	40
Swing	2	4 ⁵ / ₁₆	110	8 ³ / ₄	223	Rack & Pinion	
Loader Arm	2	3 ¹ / ₈	80	28 ¹ / ₄	717	2	50
Loader Bucket	2	2 ³ / ₄	70	28 ¹ / ₄	717	1 ¹ / ₁₆	40
Steering 2WD	1	2 ³ / ₈	60	6 ⁹ / ₁₆	161	1 ³ / ₁₆	30
Steering 4WD	1	2 ³ / ₈	60	7 ⁷ / ₈	200	1 ³ / ₁₆	30

GENERAL PURPOSE LOADER BUCKETS

Type	Capacities		Width	Weight	Optional Teeth
	SAE Heaped	SAE Struck			
Standard	1 ¹ / ₄ cu yd (.9 m ³)	1.01 cu yd (.77 m ³)	88 in (2,235 mm)	650 lb 295 kg	8
Optional	1 ³ / ₈ cu yd (1.0 m ³)	1.11 cu yd (.85 m ³)	96 in (2,438 mm)	728 lb 330 kg	9

LOADER CONTROLS

Standard—single (1) lever "+" pattern control
 Optional—two (2) lever "+" pattern control provides auxiliary control for front mounted hydraulic attachments

LOADER FEATURES

Standard features
 Mechanical bucket level indicator
 Mechanical self-leveling
 Float

LOADER OPTIONS

Return-to-dig

FACTORY/FIELD FITTED LOADER ATTACHMENTS (OPTIONAL)

Multi-Purpose Bucket
 Fork Lift Bucket Mounted
 Balderson Quick Coupler System

**MUSTANG TRACTOR & EQUIPMENT COMPANY
OF HOUSTON**

PHONE 864-4471

P. O. BOX 1373

HOUSTON, TEXAS 77001

VOL 003 PAGE 522

S81-190

Commissioner's Court
Tyler County Pct. #3
Woodville, Texas 75979

April 1, 1981

Gentlemen:

We are pleased to submit the following for your consideration:

New JCB model 3C 1400 backhoe loader with 66 HP diesel engine, ROPS canopy with seat belt, 1½ cubic yard loader bucket, center mount backhoe (14'1" digging depth), rear working lights, lighting package, operator compartment, audio visual monitoring system, foot throttle, 2 WD 11L x 16 x 10 ply ribbed tread front tires and 2 WD industrial tread rear tires (17.5 x 24 x 8 ply).

Price \$27,766.00

Less trade-in of your John Deere 310A S/N 200787T 6,500.00

Net Price \$21,266.00

Option: 24" standard backhoe bucket with teeth and side cutters, ADD \$775.00.

We appreciate the opportunity of quoting on your equipment requirements and hope we may be favored with your order.

JCB

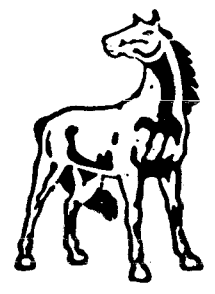
Tyler County, Texas

Mustang

TRACTOR & EQUIPMENT CO.

P. O. BOX 1373

HOUSTON, TEXAS 77001



**YOUR
CATERPILLAR
DEALER**

FIRST CLASS MAIL

Commissioner's Court
Tyler County Pct. #3
Woodville, Texas 75979

NO. _____ TIME: 8:21 ^{AM}

APR 13 1981

GRACE BOSTICK, COUNTY CLERK
TYLER COUNTY, TEXAS

BY: Clare Owens

Backhoe Loader Bid
Bid Opening: 10:00 A.M.
April 13, 1981

VOL. 008 PAGE 523

MANN Furniture CO.

206 BLUFF STREET PHONE BU 3-3740

WOODVILLE, TEXAS

April 22, 1981

VOL. 006 PAGE 524

Tyler County Courthouse
Woodville, Texas

Re: Air Conditioner or
Air/Heating Unit for
County Clerk Office
Bid

TO WHOM IT MAY CONCERN:

I submit the following air conditioners for approval on a bid for the county clerk office. We service everything we sell, with hometown fast results.

WHIRLPOOL	(These are High Energy Efficient units)		
110 V.	8000 BTU	Heating and Cooling	\$ 398.00
220 V.	14000 BTU	Heating and Cooling	488.00
220 V.	18000-BTU	Heating and Cooling	508.00

	AIR CONDITIONING ONLY (without heat)		
WHIRLPOOL	High Energy Efficient		
220 V.	12,500 BTU		\$ 399.00
220 V.	14,000 BTU		449.00

Yours very truly,

David Mann
David Mann
Mann Furniture

MANN FURNITURE COMPANY
206 W. BLUFF STREET
WOODVILLE, TEXAS 75979

VOL 006 PAGE 525

Sealed bid on Air Conditioner
County Clerk Office

NO. _____ TIME 12:58 ^{PM} _{EST}

APR 22 1981

Tyler County Courthouse
Woodville, Tx.

GRACE BOSTICK, COUNTY CLERK
TYLER COUNTY, TEXAS
BY: *[Signature]*

Proposal

Page No.

of

Pages

PHILLIPS HEATING & AIR CONDITIONING

R.R. 1 Box 124-1A
 WOODVILLE, TEXAS 75979
 (713) 283-5247

VOL 008 PAGE 526

PROPOSAL SUBMITTED TO Grace Bostick		PHONE 283-2281	DATE 4/20/81
STREET 100 Courthouse		JOB NAME	
CITY, STATE AND ZIP CODE Woodville, Texas 75979		JOB LOCATION	
ARCHITECT	DATE OF PLANS	JOB PHONE	

We hereby submit specifications and estimates for:

One Carrier heating and cooling window unit:

Model # ER212-3; 12,400 BTU's cooling and 10,300 BTU's heating

Price \$599.95

Alternate

One Carrier window unit cooling only:

Model # ES112-3; 12,400 BTU's

Price \$479.95

Due to window unit being installed in wall, installation will have to be priced separate, but will be done at cost.

We Propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

Payment to be made as follows: _____ dollars (\$ _____).

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature

James O Phillips

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____

Signature _____

Signature _____

Phillips Heating + Air

VELCO INDUSTRIES, INC.

R.R. 1 BOX 124A

WOODVILLE, TEXAS 75979

Bid on A.C.

VOL 008 PAGE 527

NO. _____ TIME: 3:15 ^{PM} ~~AM~~

APR 16 1981

GRACE BOSTICK, COUNTY CLERK
TYLER COUNTY, TEXAS

BY: *Grace Bostick*

Grace Bostick

THIS AGREEMENT entered into by and between the City of Chester, Tyler County, Texas, hereinafter referred to as City and the County of Tyler, hereinafter referred to as County.

WITNESSETH

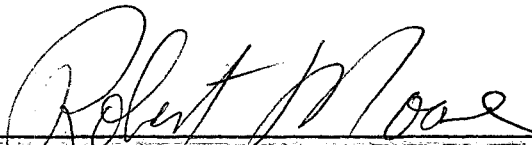
1. All material and supplies (such as dirt, sand rock, gravel, culverts, road oil, and etc.) to be furnished by the City at it's own expense.
2. County agrees to immediately upgrade present streets to the same level and condition comparable to similar County Roads in Precinct 2.
3. County agrees, after upgrading streets to maintain and keep same in good repair and condition according to the present practice of the Commissioner of Precinct 2 in similar County Roads.
4. City will hold County harmless and not responsible for any and all damages resulting from working on City streets and City agrees to repair at it's own expense all damages to water lines, gas lines, sewer systems, telephone, and electrical lines.
5. City to furnish County names or location of streets to be maintained by County. Any streets that the City desires to cease maintenance on, the City, by resolution and written notice to County, instructing County to cease such maintenance.
6. City to inform all residents that all complaints, suggestions, or anything concerning the condition or maintenance of streets are to be made direct to the City officials and not to the Commissioner in order to remedy same.
7. City to make all necessary arrangements with the property owners to allow County to open all street line ditches necessary to insure proper drainage of the streets, but, this agreement is not to be construed in any way or manner that the County will build or maintain property drainage facilities.
8. This agreement to begin in full force and effect as soon as all needed

material is available and shall continue for a period of one (1) year.

Entered into this 9 day of January 1978



Allen Sturrock, County Judge
Tyler County, Texas

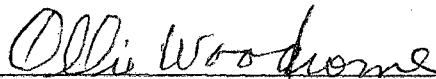


Robert Moore, Mayor
City of Chester, Texas

This contract is renewed and extended from January 1st, 1980
to January 1st, 1981.

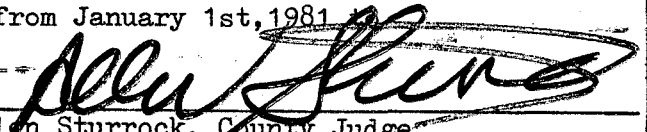


Allen Sturrock, County Judge
Tyler County, Texas



Ollie Woodrome, Mayor
City of Chester, Texas

This contract is renewed and extended from January 1st, 1981
January 1st, 1983.



Allen Sturrock, County Judge
Tyler County, Texas.



Ollie Woodrome, Mayor.
City of Chester, Texas.

NOTICE OF TIME AND PLACE OF MEETING

COMMISSIONERS COURT
TYLER COUNTY, TEXAS


THIS NOTICE POSTED IN ACCORDANCE WITH V. A. T. S. - ART. 6252-17

NOTICE is hereby given that Commissioners Court will hold it's

Special meeting, on WEDNESDAY, APRIL 22 1981 at 3:30 P.M. ~~XAMX~~
in the Commissioners Courtroom, First Floor, Tyler County Courthouse.

A G E N D A

1. TABLED BIDS ON BACK HOE.
2. *Open Bids on air-cond - cks office*
3. *Consider contract with city of Chester*


Allen Sturrock, County Judge
Tyler County, Texas

NO. _____ TIME: 1:30 ~~AM~~ ^{PM}

APR 16 1981

GRACE BOSTICK, COUNTY CLERK
TYLER COUNTY, TEXAS

BY: *Janet Gregory*
Janet Gregory