

BID SUBMITTAL FORM
Alabama County Joint Bid Program
Heavy Equipment – Bid Item: Track Mount Excavator - Option B-2

Company Name: WARRIOR TRACTOR & EQUIPMENT COMPANY, INC.
Address: 6801 MCFARLAND BLVD W.
NORTHPORT, AL 35476
Bid Submitted by: DAVID SCHAFER
(Name of company representative)
Title: DISTRICT SALES MANAGER E-mail address: DSCHAFER@WARRIORTRACTOR.COM
Phone: 205-339-0300 Fax: 205-333-0101

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item



That the bid price will be honored for all counties for the period from Jan. 1, 2022 to Dec. 31, 2022.



The equipment will be delivered at the bid price to all counties participating in the joint bid program.



The company acknowledges the freight preparation and delivery price is to be included in the total bid price for the standard machine.



The company representative listed above will be the contact person for purchasing this bid item under the joint bid program.



The bid is accompanied by a current catalog or model specification document for the model number identified below.



The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications.



The bid includes the e-verify documentation required by Alabama law.



If awarded the bid, a performance bond will be provided upon request.



The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine.**



Total Bid Price for Standard Machine: \$ 205,838.00
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs) *

Freight Preparation and Delivery: \$ 6,069.00
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 307,162.00

Equipment Model #: JOHN DEERE 210GLC

Description: EXCAVATOR

Signature of company representative submitting bid: 

Title: DISTRICT SALES MANAGER

* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

BID SUBMITTAL FORM: OPTION COST SHEET

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine*



The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the Standard Machine



Equipment Model #: JOHN DEERE 210GLC

Description: EXCAVATOR

Signature of company representative submitting bid: David R. Schaefer

Title: DISTRICT SALES MANAGER

***Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

BID SPECIFICATIONS FOR TRACK-MOUNTED HYDRAULIC EXCAVATOR Option B-2

GENERAL

These specifications shall be construed as the minimum acceptable standards for a track mounted hydraulic excavator with long undercarriage. 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 manufacturers' equipment. The excavator must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.

Use of specific names and 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 the 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, one [1] repair manual, and one (1) copy of the current parts manual. Units will not be accepted for delivery until the 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. If any 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.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes X No

Page#

Or Attachment X

WEIGHT

Minimum **50,000 lbs.**

Yes ☒ No ☐
Page # 15

Six (6) cylinders, minimum **415 cubic inch** diesel engine with minimum **158 net** flywheel horsepower.

Yes ☒ No ☐
Page # 14

Engine must be designed and built by the machine manufacturer.

Yes ☒ No ☐
Page # 14

STARTING SYSTEM

Shall be equipped with a **24-volt** electrical system.

Yes ☒ No ☐
Page # 14

Shall be equipped with a **12-volt** converter capable of powering a two-way radio.

Yes ☒ No ☐
Page # 20

UNDERCARRIAGE

Track length shall be minimum **14.5'**.

Yes ☒ No ☐
Page # 16

Track shoe width shall be minimum **31"**.

Yes ☒ No ☐
Page # 14

Minimum eight (8) track rollers per side.

Yes ☒ No ☐
Page # 14

Minimum two (2) carrier rollers per side.

Yes ☒ No ☐
Page # 14

CAPACITIES

Fuel Tank Capacity – **105 gallon minimum**

Yes ☒ No ☐
Page # 15

Hydraulic Tank Capacity – **35 gallon minimum**

Yes ☒ No ☐
Page # 15

Engine Coolant – **7.5 gallon minimum**

Yes ☒ No ☐
Page # 15

BOOM AND STICK

One piece boom with **minimum 18' length**

Yes ☒ No ☐
Page # 16

Stick shall be a **minimum 9.5' long**

No ☐

Yes ☒

Page # 16

DIMENSIONS

Reach at ground level – **30' minimum**

Yes ☒ No ☐
Page # 16

Bucket breakout force – **minimum 29,500 lbs.**

Yes ☒ No ☐
Page # 15

Stick digging force – **minimum 23,000 lbs.**

Yes ☒ No ☐
Page # 15

HYDRAULICS

Hydraulic pump output shall be a **minimum of 112 GPM**

Yes ☒ No ☐
Page # 14

CAB

Enclosed ROPS cab:

Heater

Yes ☒ No ☐
Page # 20

Factory installed air conditioning

Yes ☒ No ☐
Page # 20

Defroster

Yes ☒ No ☐
Page # 20

Bucket:

Standard with no bucket. Buckets will be considered optional attachments.

STANDARD WARRANTY FOR NEW JOHN DEERE CONSTRUCTION, COMPACT CONSTRUCTION (CCE) FORESTRY, AND UTILITY PRODUCTS – US & Canada

- **Construction & Forestry Products:** 12 months/unlimited hours (whichever occurs first) Full Machine Standard Warranty
- **Compact Construction Equipment (CCE) Products:** 24 months or 2000 hours (whichever occurs first) Full Machine Standard Warranty
- **C&E Series Pull-Type Scrapers:** 6 months Full Machine Standard Warranty
- **DC & DE Pull-Type Scrapers:** 12 months Full Machine Standard Warranty
- **Scraper Tractors:** 24 Months or 2000 Hours (whichever occurs first) Full Machine Standard Warranty
- **Forestry Attachments:** 12 Months or 2000 Hours (whichever occurs first) Full Machine Standard Warranty

The "Standard Warranty" is part of the warranty protection package available from John Deere Construction & Forestry Company (John Deere Limited in Canada) ("John Deere") to purchasers of new John Deere products ("product"):

STANDARD Warranty is John Deere's standard new product warranty, described in this document, provided at no additional charge to the purchaser.

EXTENDED Warranty is a separate repair contract made available by John Deere for purchasers who wish to complement their Standard Warranty coverage. Complete Extended Warranty details, including coverage options and limitations, are set forth in the Application for Extended Warranty, which is available from authorized John Deere dealers.

STRUCTURAL Warranty applies to certain structural components as listed below and as described in this document.

FACTORY-INSTALLED UNDERCARRIAGE Warranty applies to certain undercarriage components as listed below and as described in this document.

A. STANDARD WARRANTY - GENERAL PROVISIONS

John Deere will repair or replace, at its option, any parts (except those specified below) of a new John Deere product that, as delivered to the original retail purchaser(s), are defective in material or workmanship. Performance of this warranty will be free of charge for parts and labor, except as otherwise stated below. Standard Warranty applies only to purchases from John Deere and authorized John Deere dealers and, except as otherwise provided in the next sentence and section L below, is extended only to the original retail purchaser of the product. Remaining Standard Warranty applicable to a used John Deere product is transferred to a subsequent purchaser of the product only if the subsequent purchaser requests a transfer from an authorized John Deere dealer before the product's Standard Warranty expires. Coverage begins on the date of delivery of the product to the original retail purchaser. For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. Warranty statements required by law covering engine emissions-related parts and components are found on a separate written warranty certificate provided to the purchaser at the time of the original retail purchase.

B. WHAT IS COVERED BY STANDARD WARRANTY -

All parts of a new John Deere product (except those noted in Sections D and E below) are covered during the Standard Warranty period set out above.

C. EXCLUSIVE REMEDY -

The repair or replacement of covered parts or components that are defective, as provided in Sections A, B, D.2 and D.3 herein, shall be the purchaser's exclusive remedy for any defect in the product. However, if after repeated attempts such repair or replacement fails to correct the performance problem caused by the defect, the purchaser's sole remedy shall be a refund of the amount paid for the product (in exchange for a return of the product), excluding any transportation charges, license fees, taxes and insurance premiums, and less a reasonable allowance for use of the product prior to its return. In no event will the dealer, John Deere or any company affiliated with John Deere be liable for any incidental or consequential damages, including but not limited to loss of profits, rental of substitute equipment or other commercial loss. Correction of defects in the manner provided above shall constitute fulfillment of all liabilities of the Dealer, John Deere, or any company affiliated with John Deere to the purchaser or any other person, whether based upon contract, tort, strict liability, or otherwise. This limitation does not apply to claims for personal injury.

D. ITEMS COVERED SEPARATELY -

1. Standard Warranty does not apply to batteries, radios, tires, cameras, or to Cummins, MTU or Detroit Diesel Engines installed in John Deere products, which are covered by separate written warranties.
2. Factory-Installed Undercarriage Warranty covers all non-rubberized factory-installed undercarriage wear components for 3 years or 4,000 hours from the date of delivery to the original retail purchaser, whichever occurs first (unless terminated earlier under Section F, below). For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. In addition to the items listed in section E below, Factory-Installed Undercarriage Warranty does not cover: failures due to wear, machine application, maintenance practices, or improper machine configuration; removal and installation labor; transportation or hauling costs; unapproved parts; non-wear items; and rubberized undercarriage components such as rubber tracks. Warranty claims will be pro-rated based upon wear of the failed component and whether track shoe width is approved by John Deere. Factory-Installed Undercarriage Warranty does not apply to Scraper Tractors.
3. StructurALL Warranty for new John Deere Products (except Compact Excavators & Loaders, Skid-Steer Loaders, Compact Track Loaders, Scraper Tractors, Pull-Type Scrapers, and Forestry Attachments, which are not eligible for StructurALL Warranty) begins at the date of delivery to the original retail purchaser and ends (unless terminated earlier under Section F, below) after three (3) years, or 10,000 hours (whichever occurs first). For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. **StructurALL Warranty applies only to the following structural components listed below as installed on the product at the time of original manufacture.** If a particular component is not listed below it is not covered by StructurALL Warranty.

Arm; Articulation Joint (incl. pins & bushings); Bin Frame; Boom; Carbody; C-Frame*; Circle Frame; Coupler (John Deere built ONLY); Dipperstick; Draft Frame; Engine Frame; Equipment Frame; Grapple Arch and Grapple Boom; Loader Arm; Loader Frame; Mainframe; Moldboard Lift Arm; NeverGrease™ Pin Joints [Includes steering pin and bushing joints (standard equipment), roller elements (roller bearings) in bucket to boom joints and sliding elements (bushing) for boom and linkage joints (optional equipment)]; Rollover Protection Structure (ROPS); Side Frame; Swing Frame; Track Frame; Undercarriage Frame; X-Frame; Z-bar loader linkage (including bell crank and bucket driver link); Specialty booms and arms marketed as "heavy duty" by John Deere.

Items Covered by StructurALL for Cut-to-Length Forestry Machines: Front frame (welded assembly); Rear frame (welded assembly); Crane king post with basement; Middle joint frame; Cabin swing frame; Main Boom

StructurALL Warranty does not apply to:

1. Any product used primarily in extreme duty or severe duty applications such as but not limited to: demolition and wrecking, chemical plant (including fertilizer plants), salt mines, steel mill, land fill and transfer stations, scrap handling, scarifying and other applications that are similarly destructive or similarly heavy duty except specialty booms and arms as stated in Section D.3 above.
2. C-Frames on Crawlers equipped with root rakes or used in forestry applications unless equipped with an "extreme duty" reinforcement package.
3. Cut-to-Length Forestry Heads and Slash Bundler Units.
4. Crawlers equipped with optional side booms.
5. Cut-to-Length Forestry, Excavator, and Log Loader swing bearings.
6. Motor Graders equipped with front- or rear-mounted snow wings.

E. ITEMS NOT COVERED -

John Deere is NOT responsible for the following:

1. Freight
2. Adjustments to compensate for wear, for periodic maintenance or adjustments that result from normal wear and tear.
3. Damage caused by unapproved adjustments (electronic or mechanical) to machine or machine components outside of published specifications including but not limited to engine, hydraulic components and relief valves.
4. Program updates, calibrations, and pressure adjustments.
5. Additional Labor Time - Above Dealer Labor Rate
6. Additional Cleaning - Above Dealer Labor Rate
7. Rental Fees
8. Depreciation or damage caused by normal wear or application, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage, vandalism, negligence, collision, or other accidents.
9. Premiums charged for Overtime Labor
10. Transportation to and from the dealership.
11. Travel time, mileage, or service calls by the dealer.
12. Non-John Deere components or modifications, Rotobec grapples, and attachments installed aftermarket.
13. Shop supplies and maintenance items such as, but not limited to: filters, fuels, oil, hydraulic fluid, lubricants, coolants, conditioners, shop towels, cleaners and degreasers.
14. Torn, cut, or worn hoses.
15. Wear items, such as, but not limited to: body liner, belts, blades, bulbs, lubricated joints (including pins and bushings), dry brakes, brake linings, dry clutch linings, saw blades, chains, skidder grapple shocks, color marking nozzles, and articulation bumpers.
16. Items such as cutting-edge parts, delimbing knives, bucket teeth and rubber track are not warranted for depreciation or damage caused by normal wear, lack of proper maintenance, misuse, failure to follow operating instructions, the elements or accident.
17. Any defect in a non-covered component, or damage to or failure of a covered component caused by a defect in a non-covered component.
18. Secondary damage which occurs from continued operation of a product after recognition of the occurrence of a failure.
19. Parts supplied by or repairs, maintenance or modifications performed by someone other than an authorized John Deere dealer, including any damage caused by such use of parts, repairs, maintenance, or modifications not performed by an authorized John Deere dealer.
20. Topping off fluids when fluid levels fall in the range between low and full
21. Parts/Kits not ordered on machine and installed aftermarket. These parts will be covered by any applicable parts warranty.
22. Attachments installed aftermarket – i.e., Winch not installed at factory.
23. Custom options installed outside the factory – i.e., G.R. Manufacturing option packages.
24. Used Products (except as otherwise provided in section L below).

F. TERMINATION OF WARRANTY-

John Deere is relieved of its obligations under Standard Warranty, StructurALL Warranty, Factory-Installed Undercarriage Warranty and/or Extended Warranty if:

1. The product is modified or altered in ways not approved by John Deere; or
2. Any unapproved or improperly sized attachment is installed on the product. Approval and attachment size shall be at John Deere's sole discretion. (Consult dealer prior to installing attachments or product modification).
3. The product is moved outside the US and/or Canada.

G. PARTS REPLACED UNDER WARRANTY -

Only new or remanufactured parts or components furnished or approved by John Deere, will be used if John Deere elects to repair the product. If any such part or component is defective in material or workmanship when installed in the product, John Deere will repair or replace, as it elects, such defective part or component, provided the defect is reported to an authorized John Deere dealer within 90 days of installation or before expiration of the applicable Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty whichever is later.

H. TELEMATICS

NOTICE: Products may be equipped with telematics hardware and software ("Telematics") that transmit data to John Deere/ Dealer. Purchaser may deactivate Telematics at www.jdlink.com.

Notwithstanding Purchaser's right, title or interest in the Products, Purchaser agrees that John Deere and Dealer (their affiliates, successors and assigns), without further notice to Purchaser have the right to:

1. Access, use, collect and disclose any data generated by, collected by, or stored in, Products or any hardware or devices interfacing with Products ("Machine Data");
2. Access Machine Data directly through data reporting devices integrated within, or attached to, Products, including Telematics ("Data Reporting Systems"); and
3. Update the Data Reporting Systems software from time to time. Machine Data will only be used in accordance with John Deere's Machine Data Policy, located at www.JohnDeere.com/MachineDataPolicy.

I. OBTAINING WARRANTY SERVICE -

To obtain warranty service, the purchaser must request warranty service from a John Deere dealer authorized to sell the product to be serviced. When making such a request, the purchaser must present evidence of the product's delivery date, make the product available at the dealer's place of business, and inform the dealer in what way the purchaser believes the product to be defective. Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty repairs may be made in the field if the purchaser and servicing dealer so desire. However, John Deere will not be responsible for any charges (such as dealer travel time, mileage or extra labor) that would not have been incurred had the product been repaired at the dealer's place of business.

J. NO IMPLIED WARRANTY, CONDITIONS OR OTHER REPRESENTATION -

Where permitted by law, neither John Deere nor any company affiliated with it makes any warranties, representations, conditions or promises, express or implied, as to the quality, performance, or freedom from defect of its products, other than those set forth in this document and **NO IMPLIED WARRANTY OF MERCHANTABILITY, CONDITIONS OR FITNESS IS MADE.**

K. NO DEALER WARRANTY -

The selling dealer makes no warranty of its own on any item covered by this warranty and makes no warranty on other items unless the dealer delivers to the purchaser a separate written warranty certificate specifically warranting the item. **The dealer has no authority to make any representation or promise on behalf of John Deere, or to modify the terms or limitations of this warranty in any way.**

L. USED JOHN DEERE PRODUCTS ONLY -

John Deere will transfer remaining Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty to the purchaser of a used John Deere construction and/or forestry product that has been used for less than the full warranty period provided at the product's original retail purchase. This transfer is not effective until change of ownership is registered by a John Deere dealer. **ALL THE TERMS, INCLUDING LIMITATIONS AND EXCLUSIONS, OF THE JOHN DEERE STANDARD WARRANTY, FACTORY-INSTALLED UNDERCARRIAGE WARRANTY, AND/OR STRUCTURALL WARRANTY ORIGINALLY PROVIDED FOR THE PRODUCT REMAIN IN EFFECT AND APPLICABLE.**



Company ID Number: 513478

**THE E-VERIFY PROGRAM FOR EMPLOYMENT VERIFICATION
MEMORANDUM OF UNDERSTANDING**

ARTICLE I

PURPOSE AND AUTHORITY

This Memorandum of Understanding (MOU) sets forth the points of agreement between the Department of Homeland Security (DHS) and **Warrior Tractor & Equipment Co., Inc.** (Employer) regarding the Employer's participation in the Employment Eligibility Verification Program (E-Verify). This MOU explains certain features of the E-Verify program and enumerates specific responsibilities of DHS, the Social Security Administration (SSA), and the Employer. E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of the Employment Eligibility Verification Form (Form I-9). For covered government contractors, E-Verify is used to verify the employment eligibility of all newly hired employees and all existing employees assigned to Federal contracts or to verify the entire workforce if the contractor so chooses.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). Authority for use of the E-Verify program by Federal contractors and subcontractors covered by the terms of Subpart 22.18, "Employment Eligibility Verification", of the Federal Acquisition Regulation (FAR) (hereinafter referred to in this MOU as a "Federal contractor with the FAR E-Verify clause") to verify the employment eligibility of certain employees working on Federal contracts is also found in Subpart 22.18 and in Executive Order 12989, as amended.

ARTICLE II

FUNCTIONS TO BE PERFORMED

A. RESPONSIBILITIES OF SSA

1. SSA agrees to provide the Employer with available information that allows the Employer to confirm the accuracy of Social Security Numbers provided by all employees verified under this MOU and the employment authorization of U.S. citizens.
2. SSA agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. SSA agrees to provide the Employer with names, titles, addresses, and telephone numbers of SSA representatives to be contacted during the E-Verify process.
3. SSA agrees to safeguard the information provided by the Employer through the E-Verify program procedures, and to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security Numbers and for evaluation of the E-Verify program or such other persons or entities who may be authorized by SSA as governed

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by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

4. SSA agrees to provide a means of automated verification that is designed (in conjunction with DHS's automated system if necessary) to provide confirmation or tentative nonconfirmation of U.S. citizens' employment eligibility within 3 Federal Government work days of the initial inquiry.

5. SSA agrees to provide a means of secondary verification (including updating SSA records as may be necessary) for employees who contest SSA tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of U.S. citizens' employment eligibility and accuracy of SSA records for both citizens and non-citizens within 10 Federal Government work days of the date of referral to SSA, unless SSA determines that more than 10 days may be necessary. In such cases, SSA will provide additional verification instructions.

B. RESPONSIBILITIES OF DHS

1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Employer access to selected data from DHS's database to enable the Employer to conduct, to the extent authorized by this MOU:

- Automated verification checks on employees by electronic means, and
- Photo verification checks (when available) on employees.

2. DHS agrees to provide to the Employer appropriate assistance with operational problems that may arise during the Employer's participation in the E-Verify program. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to make available to the Employer at the E-Verify Web site and on the E-Verify Web browser, instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.

4. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in the E-Verify program. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

5. DHS agrees to issue the Employer a user identification number and password that permits the Employer to verify information provided by employees with DHS's database.

6. DHS agrees to safeguard the information provided to DHS by the Employer, and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and

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Nationality Act (INA) and Federal criminal laws, and to administer Federal contracting requirements.

7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within 3 Federal Government work days of the initial inquiry.

8. DHS agrees to provide a means of secondary verification (including updating DHS records as may be necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

C. RESPONSIBILITIES OF THE EMPLOYER

1. The Employer agrees to display the notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system.

2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted regarding E-Verify.

3. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.

4. The Employer agrees that any Employer Representative who will perform employment verification queries will complete the E-Verify Tutorial before that individual initiates any queries.

A. The Employer agrees that all Employer representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify.

B. Failure to complete a refresher tutorial will prevent the Employer from continued use of the program.

5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

- If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.

- If an employee presents a DHS Form I-551 (Permanent Resident Card) or Form I-766 (Employment Authorization Document) to complete the Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The photocopy must be of sufficient quality to allow for verification of the photo

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and written information. The employer will use the photocopy to verify the photo and to assist DHS with its review of photo non-matches that are contested by employees. Note that employees retain the right to present any List A, or List B and List C, documentation to complete the Form I-9. DHS may in the future designate other documents that activate the photo screening tool.

6. The Employer understands that participation in E-Verify does not exempt the Employer from the responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures, except for the following modified requirements applicable by reason of the Employer's participation in E-Verify: (1) identity documents must have photos, as described in paragraph 5 above; (2) a rebuttable presumption is established that the Employer has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of any individual if it obtains confirmation of the identity and employment eligibility of the individual in good faith compliance with the terms and conditions of E-Verify; (3) the Employer must notify DHS if it continues to employ any employee after receiving a final nonconfirmation, and is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A) if the Employer continues to employ an employee after receiving a final nonconfirmation; and (5) no person or entity participating in E-Verify is civilly or criminally liable under any law for any action taken in good faith based on information provided through the confirmation system. DHS reserves the right to conduct Form I-9 and E-Verify system compliance inspections during the course of E-Verify, as well as to conduct any other enforcement activity authorized by law.

7. The Employer agrees to initiate E-Verify verification procedures for new employees within 3 Employer business days after each employee has been hired (but after the Form I-9 has been completed), and to complete as many (but only as many) steps of the E-Verify process as are necessary according to the E-Verify User Manual, or in the case of Federal contractors with the FAR E-Verify clause, the E-Verify User Manual for Federal Contractors. The Employer is prohibited from initiating verification procedures before the employee has been hired and the Form I-9 completed. If the automated system to be queried is temporarily unavailable, the 3-day time period is extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. Employers may initiate verification by notating the Form I-9 in circumstances where the employee has applied for a Social Security Number (SSN) from the SSA and is waiting to receive the SSN, provided that the Employer performs an E-Verify employment verification query using the employee's SSN as soon as the SSN becomes available.

8. The Employer agrees not to use E-Verify procedures for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use not authorized by this MOU. Employers must use E-Verify for all new employees, unless an Employer is a Federal contractor that qualifies for the exceptions described in Article II.D.1.c. Except as provided in Article II.D, the Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. The Employer understands that if the Employer

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uses the E-Verify system for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its access to SSA and DHS information pursuant to this MOU.

9. The Employer agrees to follow appropriate procedures (see Article III. below) regarding tentative nonconfirmations, including notifying employees in private of the finding and providing them written notice of the findings, providing written referral instructions to employees, allowing employees to contest the finding, and not taking adverse action against employees if they choose to contest the finding. Further, when employees contest a tentative nonconfirmation based upon a photo non-match, the Employer is required to take affirmative steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

10. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo non-match, does not establish, and should not be interpreted as evidence, that the employee is not work authorized. In any of the cases listed above, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, refusing to assign the employee to a Federal contract or other assignment, or otherwise subjecting an employee to any assumption that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo non-match or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 or OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

11. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA, as applicable, by not discriminating unlawfully against any individual in hiring, firing, or recruitment or referral practices because of his or her national origin or, in the case of a protected individual as defined in section 274B(a)(3) of the INA, because of his or her citizenship status. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the unfair immigration-related employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-

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Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

12. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

13. The Employer agrees that it will use the information it receives from SSA or DHS pursuant to E-Verify and this MOU only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords) to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

14. The Employer acknowledges that the information which it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)), and that any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

15. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including by permitting DHS and SSA, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

D. RESPONSIBILITIES OF FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE

1. The Employer understands that if it is a subject to the employment verification terms in Subpart 22.18 of the FAR, it must verify the employment eligibility of any existing employee assigned to the contract and all new hires, as discussed in the Supplemental Guide for Federal Contractors. Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.

a. Federal contractors with the FAR E-Verify clause agree to become familiar with and comply with the most recent versions of the E-Verify User Manual for Federal Contractors and the E-Verify Supplemental Guide for Federal Contractors.

b. Federal contractors with the FAR E-Verify clause agree to complete a tutorial for Federal contractors with the FAR E-Verify clause.

c. Federal contractors with the FAR E-Verify clause not enrolled at the time of contract award: An Employer that is not enrolled in E-Verify at the time of a contract award must enroll as a Federal contractor with the FAR E-Verify clause in E-Verify within 30 calendar days of contract award and, within 90 days of enrollment, begin to use E-Verify to initiate verification of employment eligibility of new hires of the Employer who are working in the United States,

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whether or not assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within 3 business days after the date of hire. Once enrolled in E-Verify as a Federal contractor with the FAR E-Verify clause, the Employer must initiate verification of employees assigned to the contract within 90 calendar days from the time of enrollment in the system and after the date and selecting which employees will be verified in E-Verify or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Employers that are already enrolled in E-Verify at the time of a contract award but are not enrolled in the system as a Federal contractor with the FAR E-Verify clause: Employers enrolled in E-Verify for 90 days or more at the time of a contract award must use E-Verify to initiate verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire. Employers enrolled in E-Verify as other than a Federal contractor with the FAR E-Verify clause, must update E-Verify to indicate that they are a Federal contractor with the FAR E-Verify clause within 30 days after assignment to the contract. If the Employer is enrolled in E-Verify for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within 3 business days after the date of hire. An Employer enrolled as a Federal contractor with the FAR E-Verify clause in E-Verify must initiate verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

e. Institutions of higher education, State, local and tribal governments and sureties: Federal contractors with the FAR E-Verify clause that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), State or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors with the FAR E-Verify clause may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. The provisions of Article II.D, paragraphs 1.a and 1.b of this MOU providing timeframes for initiating employment verification of employees assigned to a contract apply to such institutions of higher education, State, local and tribal governments, and sureties.

f. Verification of all employees: Upon enrollment, Employers who are Federal contractors with the FAR E-Verify clause may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only new employees and those existing employees assigned to a covered Federal contract. After enrollment, Employers must elect to do so only in the manner designated by DHS and initiate E-Verify verification of all existing employees within 180 days after the election.

g. Form I-9 procedures for existing employees of Federal contractors with the FAR E-Verify clause: Federal contractors with the FAR E-Verify clause may choose to complete new Forms I-9 for all existing employees other than those that are completely exempt from this process. Federal contractors with the FAR E-Verify clause may also update previously completed Forms I-9 to initiate E-Verify verification of existing employees who are not completely exempt as long as that Form I-9 is complete (including the SSN), complies with

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Article II.C.5, the employee's work authorization has not expired, and the Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's stated basis in section 1 of the Form I-9 for work authorization has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen). If the Employer is unable to determine that the Form I-9 complies with Article II.C.5, if the employee's basis for work authorization as attested in section 1 has expired or changed, or if the Form I-9 contains no SSN or is otherwise incomplete, the Employer shall complete a new I-9 consistent with Article II.C.5, or update the previous I-9 to provide the necessary information. If section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired subsequent to completion of the Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.C.5, subject to any additional or superseding instructions that may be provided on this subject in the Supplemental Guide for Federal Contractors. Nothing in this section shall be construed to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU, or to authorize verification of any existing employee by any Employer that is not a Federal contractor with the FAR E-Verify clause.

2. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. The Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

3. If the employee contests an SSA tentative nonconfirmation, the Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within 8 Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it

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determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must print the tentative nonconfirmation notice as directed by the E-Verify system and provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Employer must review the tentative nonconfirmation with the employee in private.

2. If the Employer finds a photo non-match for an employee who provides a document for which the automated system has transmitted a photo, the employer must print the photo non-match tentative nonconfirmation notice as directed by the automated system and provide it to the employee so that the employee may determine whether he or she will contest the finding. The Employer must review the tentative nonconfirmation with the employee in private.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation received from DHS automated verification process or when the Employer issues a tentative nonconfirmation based upon a photo non-match. The Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will provide the employee with a referral letter and instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within 8 Federal Government work days.

5. If the employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will provide the employee with a referral letter to DHS. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo non-match, the Employer will send a copy of the employee's Form I-551 or Form I-766 to DHS for review by:

- Scanning and uploading the document, or
- Sending a photocopy of the document by an express mail account (paid for at employer expense).

7. If the Employer determines that there is a photo non-match when comparing the photocopied List B document described in Article II.C.5 with the image generated in E-Verify, the Employer must forward the employee's documentation to DHS using one of the means described in the preceding paragraph, and allow DHS to resolve the case.



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ARTICLE IV

SERVICE PROVISIONS

SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V

PARTIES

A. This MOU is effective upon the signature of all parties, and shall continue in effect for as long as the SSA and DHS conduct the E-Verify program unless modified in writing by the mutual consent of all parties, or terminated by any party upon 30 days prior written notice to the others. Any and all system enhancements to the E-Verify program by DHS or SSA, including but not limited to the E-Verify checking against additional data sources and instituting new verification procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes. DHS agrees to train employers on all changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual, the E-Verify User Manual for Federal Contractors or the E-Verify Supplemental Guide for Federal Contractors. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials. An Employer that is a Federal contractor with the FAR E-Verify clause may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such a circumstance, the Federal contractor with the FAR E-Verify clause must provide written notice to DHS. If an Employer that is a Federal contractor with the FAR E-Verify clause fails to provide such notice, that Employer will remain a participant in the E-Verify program, will remain bound by the terms of this MOU that apply to participants that are not Federal contractors with the FAR E-Verify clause, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

B. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established procedures or legal requirements. The Employer understands that if it is a Federal contractor with the FAR E-Verify clause, termination of this MOU by any party for any reason may negatively affect its performance of its contractual responsibilities.

C. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as they may determine necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

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D. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.

E. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.

F. The Employer understands that the fact of its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

H. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively.



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To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Warrior Tractor & Equipment Co., Inc.	
Stanley McCracken	
Name (Please Type or Print)	Title
Electronically Signed	03/01/2012
Signature	Date
Department of Homeland Security – Verification Division	
USCIS Verification Division	
Name (Please Type or Print)	Title
Electronically Signed	03/01/2012
Signature	Date

Information Required for the E-Verify Program

Information relating to your Company:

Company Name:	Warrior Tractor & Equipment Co., Inc.
Company Facility Address:	6801 McFarland Blvd
	Northport, AL 35476
Company Alternate Address:	P O Box 412
	Northport, AL 35476
County or Parish:	TUSCALOOSA
Employer Identification Number:	630588737

Company ID Number: 513478

North American Industry Classification Systems Code:	423
Administrator:	Warrior Tractor and Equipment Co., Inc.
Number of Employees:	100 to 499
Number of Sites Verified for:	1
Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:	
<ul style="list-style-type: none">• ALABAMA 1 site(s)	

Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name:	Stanley N McCracken		
Telephone Number:	(205) 339 - 0300	Fax Number:	(205) 333 - 0101
E-mail Address:	wte024@warriortractor.com		

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EXCAVATORS



JOHN DEERE

210G / 210G LC

**MID-SIZED
MIGHT**



RELIABLE



PRODUCTIVE



**SEE WHAT YOU
CAN DO NOW**



W.



COVER ALL THE ANGLES.

Whether you use them to excavate footings, load trucks, set stone, place pipe, or many other jobsite duties, the 210G and 210G LC can make easy work out of any task. Customer-inspired improvements include Powerwise Plus™ technology to boost performance on demand. Control pattern-change valve that eases operation — now standard. Updated cab comforts. Plus options such as hydraulic single-pedal propel system, deluxe LED lighting, and flexible grade-management solutions. These are just some of the ways these accomplished excavators have you covered.

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NOW THERE'S EVEN MORE TO LIKE.

We've upgraded our popular 210G/210G LC Excavators to include valuable input from customers just like you. Read on to find out how we put your ideas to work.

Keep it clean

Optional rotary precleaner pulls clean air into the system — a must in harsh jobsite conditions.

Control pattern

Control pattern-change valve is now a standard feature instead of a field-kit option.

Waste not

Auto-idle speed can be lowered to a more fuel-efficient 800 rpm.

Performance plus

Powerwise Plus technology delivers fuel-efficient power when you need it.

Going forward

Hydraulic single-pedal propel system enables simplified straight-line machine tracking without the need to engage both hand levers or both foot pedals.



SET AUTO-IDLE
TO 800 RPM TO
**CONSERVE
FUEL**





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GRADE-MANAGEMENT SOLUTIONS.

FLEXIBLE SOLUTIONS THAT FIT YOUR BUSINESS

UNLEASH THE POWER OF GRADE CONTROL.

John Deere offers an economical way to adopt grade-management technology for excavators by providing an easy path for future upgrades. This gives you the flexibility to find the right solution, whether you're looking at this technology for the first time or are interested in a premium solution. Choose entry-level, economical Excavator Grade Guidance or opt for fully integrated SmartGrade™.



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Make good grades

Deere grade-control solutions help reduce labor, enhance speed, and save on material compared to excavators without grade-management technology. And they help operators of all experience levels to achieve excellent results.

Fully supported

Our grade-management solutions come factory ready and are backed by your John Deere dealer, including service, warranty, upgrades, and financing.

Grade Guidance

Entry-level Grade Guidance arms operators with elevation and position of bucket cutting-edge relative to target plane (2D) or design surface (3D). It's perfect for precision excavation projects, including digging trenches for pipes, shaping ditches or slopes, or excavating structure foundations.

SmartGrade

Fully integrated SmartGrade provides 3D control. The operator controls the arm as the machine automatically controls the boom and bucket. Additional features include overdig protection and in-cab real-time distance to target.



THE COMFORT ZONE

GET IN TOUCH WITH PRODUCTIVE OPERATION.

Refined LCD monitor employs a rotary control that makes it quick and easy to tap into an abundance of performance and convenience functions and features. Single-pedal propel keeps the machine moving straight forward. Operators will also appreciate the quiet and spacious cab, expansive visibility, and numerous other amenities that provide what your operators need to do their best work.



3-WAY ADJUSTABLE
**PREMIUM
LEATHER SEAT**
(OPTIONAL)

Dial it up

Multi-language LCD monitor and rotary dial provide intuitive access to a wealth of information and functions. Just turn and tap to select work mode, access operating info, check maintenance intervals, source diagnostic codes, adjust cab temperature, and tune the radio. A USB port helps keep your devices charged.

Take control

Ergonomically correct short-throw pilot levers provide smooth, predictable fingertip control with less movement or effort. Push buttons in the right lever allow predictable control of auxiliary hydraulic flow for operating attachments. Optional sliding auxiliary-function lever* provides proportional speed control, giving you full command at your fingertips.

Calm, cool, and collected

Automatic, high-velocity bi-level climate control system with automotive-style adjustable louvers helps keep the glass clear and the cab comfortable.

Single-pedal propel

Hydraulic single-pedal propel system moves the machine when and where you need it to without having to engage both foot pedals or both hand levers.

We've got your back

Sculpted mechanical-suspension high-back seat with 12.5 inches of travel slides together or independent of the joystick console, so it won't cramp an operator's style. Opt for a premium air-suspension leather seat that adjusts three ways, is thermally heated and actively cooled, and includes a high-visibility retractable orange seat belt.

Put some light on it

Optional deluxe LED lights at cab front and rear, boom, and toolbox illuminate when your workday extends beyond daylight. They use less power, output more light, and last longer compared to halogen lights.

*Auxiliary-function lever is not available with Grade Guidance or SmartGrade Excavators.

RUGGED AND RELIABLE

NOTHING IS BUILT LIKE THESE DEERE MACHINES

Conditions can be tough on the jobsite. So we equipped the 210G/210G LC with some equally tough features. Double-seal swing bearing that delivers rock-solid durability. Mainframe single-sheet undercover thickened for added strength. Options like a track-frame undercover to keep debris from accumulating and a rotary precleaner that pulls clean air into the system no matter how foul it is outside. When you know how they're built, you'll see how rugged these machines are.

Stress resistance

A John Deere exclusive, three welded bulkheads within the boom resist torsional stress. Booms, arms, and mainframes are so tough, they're warranted for three years or 10,000 hours.

Pattern of protection

Standard control pattern-change valve and fuel shutoff are well protected yet conveniently accessible at ground level.

TK-Series bucket teeth

Standard TK-Series bucket teeth are engineered for strength and impact absorption. Hammer-free installation and removal simplifies changes and minimizes downtime.

Cooler core cleanout

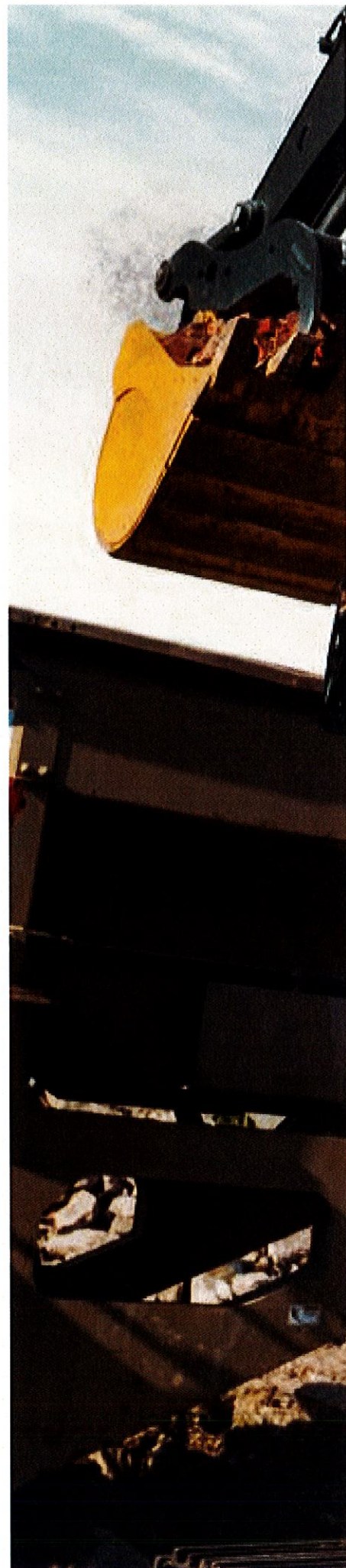
Highly efficient, hydraulically driven fans run only as fast as needed, reducing noise, fuel consumption, and operating costs. Reversing option automatically back-blows cooler cores to help keep them clean.

Designed for durability

Reinforced D-channel side frames with recessed doors provide maximum cab and component protection. Standard mainframe and optional track-frame undercovers provide an extra layer of defense.

FT4 engine technology

To meet stringent EPA Final Tier 4 (FT4)/EU Stage IV standards, we built on our Interim Tier 4 (IT4)/Stage IIIB solution to deliver the best combination of performance, efficiency, and reliability without sacrificing power or torque. Our field-proven technology is simple, fluid efficient, fully integrated, and fully supported. It employs cooled exhaust gas recirculation (EGR), easy-to-maintain high-uptime exhaust filters, and selective catalytic reduction (SCR).





JOHN DEERE

210G_{LC}



READY TO WORK

UNCOVER ALL THE WAYS WE KEEP COSTS DOWN.

DEF access

With a large and accessible tank, diesel exhaust fluid (DEF) can be conveniently filled when refueling. DEF overflow routes excess outside the machine to avoid paint damage.

Refill 'er up

Large fuel tank and 500- and 5,000-hour engine and hydraulic oil-service intervals decrease down-time for routine maintenance compared to models with shorter-hour service requirements. Fluid-level sight gauges are conveniently located and can be checked at a glance.

Easy filter maintenance

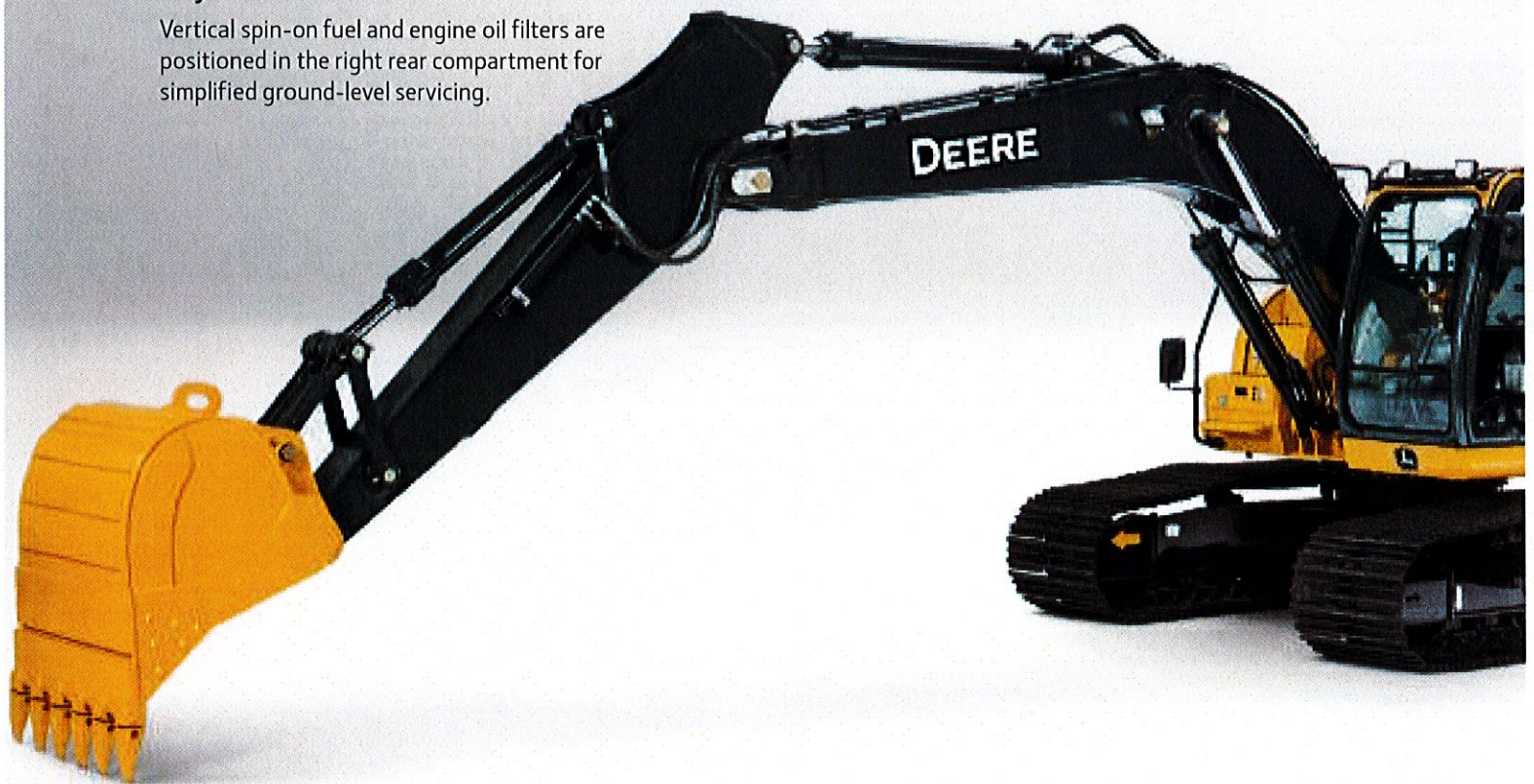
Vertical spin-on fuel and engine oil filters are positioned in the right rear compartment for simplified ground-level servicing.

FT4 ash service

Ash-service intervals for the diesel particulate filter (DPF) are condition based, with the machine notifying the operator before service is required. Typically, ash service is not necessary until the first engine overhaul depending on machine application and maintenance practices.

Fuel savers

Auto-idle automatically reduces engine speed to as low as 800 rpm when hydraulics aren't in use. Auto-shutdown further conserves precious fuel and machine hours.



Get valuable insight with

PRECISION CONSTRUCTION TECHNOLOGY

This suite of construction technology delivers **Productivity Solutions** to help you get more done, more efficiently. The in-base, five-year JDLink™ telematics subscription provides machine location, utilization data, and alerts to help you maximize productivity and efficiency. Other productivity solutions include grade-management options for multiple machine forms and payload weighing for wheel loaders and articulated dump trucks.

To maximize uptime and lower costs, JDLink telematics also enables **John Deere Connected Support.™** John Deere's centralized Machine Health Monitoring Center analyzes data from thousands of connected machines, identifies trends, and develops recommended actions, called Expert Alerts, to help prevent downtime. Dealers use Expert Alerts to proactively address conditions that may otherwise likely lead to downtime. Your dealer can also monitor machine health and leverage remote diagnostics and programming capability to further diagnose problems and even update machine software without a time-consuming trip to the jobsite.





210G LC SPECIFICATIONS

Engine	210G / 210G LC		
	Base engine for use in U.S., U.S. Territories, and Canada		
Manufacturer and Model	John Deere PowerTech™ PVS 6.8L 6068HT106		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Rated Power (ISO 9249)	119 kW (159 hp) at 2,000 rpm		
Cylinders	6		
Displacement	6.8L (415 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling			
	Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive		
Powertrain			
	2-speed propel with automatic shift		
Maximum Travel Speed			
Low	3.5 km/h (2.2 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull (turtle mode)	20 700 kg (45,636 lb.)		
Hydraulics			
	Open center, load sensing		
Main Pumps	2 variable-displacement axial-piston pumps		
Maximum Rated Flow	212 L/m (56 gpm) x 2		
Pilot Pump	1 gear		
Maximum Rated Flow	30 L/m (7.9 gpm)		
Pressure Setting	4000 kPa (580 psi)		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 500 kPa (5,149 psi)		
Swing	33 300 kPa (4,830 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	<i>Bore</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	1260 mm (49.6 in.)
Arm (1)	135 mm (5.3 in.)	95 mm (3.7 in.)	1475 mm (58.1 in.)
Bucket (1)	115 mm (4.5 in.)	80 mm (3.1 in.)	1060 mm (41.7 in.)
Electrical			
Number of Batteries (12 volt)	2		
Battery Capacity	1,000 CCA		
Alternator Rating	100 amp		
Work Lights	2 halogen (1 mounted on left-hand side of boom, 1 on frame)		
Undercarriage	210G	210G LC	
Rollers (each side)			
Carrier	2	2	
Track	7	8	
Shoes, Triple Semi-Grousers (each side)	46	49	
Track			
Adjustment	Hydraulic	Hydraulic	
Guides	Center	Center	
Chain	Sealed and lubricated	Sealed and lubricated	
Ground Pressure			
Triple Semi-Grouser Shoes			
600 mm (24 in.)	48.8 kPa (7.08 psi)	44.4 kPa (6.44 psi)	
700 mm (28 in.)	42.5 kPa (6.16 psi)	39.3 kPa (5.71 psi)	
800 mm (32 in.)	37.7 kPa (5.47 psi)	34.4 kPa (4.99 psi)	

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

210G LC SPECIFICATIONS



Swing Mechanism

210G / 210G LC

Swing

Speed	13.3 rpm
Torque	68 900 Nm (50,662 lb.-ft.)

Serviceability

Refill Capacities

Fuel Tank	403 L (106.5 gal.)
Cooling System	35.4 L (9.4 gal.)
Engine Oil with Filter	20.8 L (5.5 gal.)
Hydraulic Tank	135 L (35.7 gal.)
Hydraulic System	240 L (63.4 gal.)
Gearbox	
Swing	6.2 L (6.6 qt.)
Propel (each)	7.8 L (8.2 qt.)
Pump Drive	1 L (1.1 qt.)
Diesel Exhaust Fluid (DEF) Tank	26.6 L (7.0 gal.)

Operating Weights

210G

210G LC

With full fuel tank; 79-kg (175 lb.) operator; 1065-mm (42 in.), 0.91-m³ (1.19 cu. yd.), 886-kg (1,951 lb.) general-purpose bucket; 2.91-m (9 ft. 7 in.) arm; and 4250-kg (9,370 lb.) counterweight

With Triple Semi-Grouser Shoes

800 mm (32 in.)	23 161 kg (51,061 lb.)	23 631 kg (52,097 lb.)
700 mm (28 in.)	22 862 kg (50,402 lb.)	23 318 kg (51,407 lb.)
600 mm (24 in.)	22 522 kg (49,653 lb.)	22 928 kg (50,548 lb.)

Component Weights

Undercarriage with Triple Semi-Grouser Shoes	Standard	LC
600 mm (24 in.)	6929 kg (15,262 lb.)	7335 kg (16,156 lb.)
700 mm (28 in.)	7269 kg (16,011 lb.)	7725 kg (17,015 lb.)
800 mm (32 in.)	7568 kg (16,670 lb.)	8038 kg (17,705 lb.)
1-Piece Boom (with arm cylinder)	1731 kg (3,813 lb.)	1731 kg (3,813 lb.)
2.91-m (9 ft. 7 in.) Arm with Bucket Cylinder and Linkage	1001 kg (2,205 lb.)	1001 kg (2,205 lb.)
Boom-Lift Cylinders (2), Total Weight	354 kg (780 lb.)	354 kg (780 lb.)
Counterweight, Standard	4250 kg (9,370 lb.)	4250 kg (9,370 lb.)

Operating Dimensions

210G / 210G LC

Arm Length

2.91 m (9 ft. 7 in.)

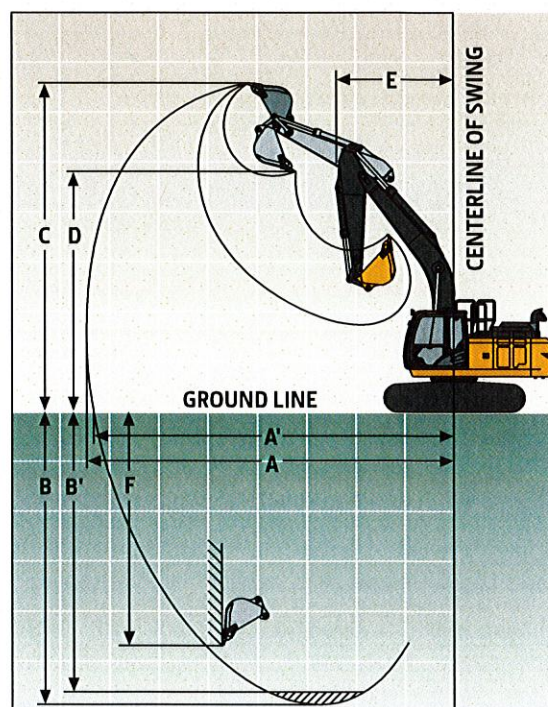
Arm Digging Force

SAE	110 kN (24,729 lbf)
ISO	114 kN (25,628 lbf)

Bucket Digging Force

SAE	141 kN (31,698 lbf)
ISO	158 kN (35,520 lbf)

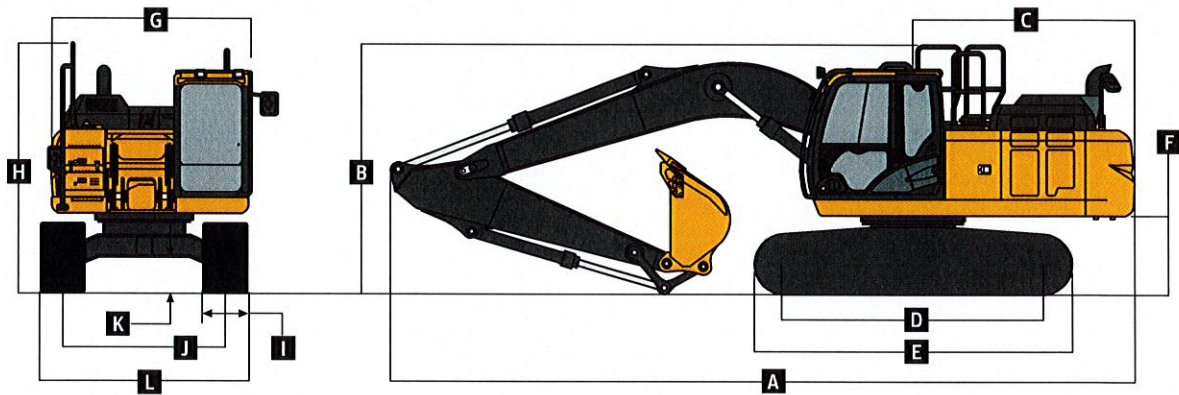
A Maximum Reach	9.92 m (32 ft. 7 in.)
A' Maximum Reach at Ground Level	9.75 m (32 ft. 0 in.)
B Maximum Digging Depth	6.67 m (21 ft. 11 in.)
B' Maximum Digging Depth at 2.44-m (8 ft. 0 in.) Flat Bottom	6.50 m (21 ft. 4 in.)
C Maximum Cutting Height	10.04 m (32 ft. 11 in.)
D Maximum Dumping Height	7.18 m (23 ft. 7 in.)
E Minimum Swing Radius	3.18 m (10 ft. 5 in.)
F Maximum Vertical Wall	5.99 m (19 ft. 8 in.)



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210G / 210G LC

Machine Dimensions	210G	210G LC
Arm Length	2.91 m (9 ft. 7 in.)	2.91 m (9 ft. 7 in.)
A Overall Length	9.53 m (31 ft. 3 in.)	9.66 m (31 ft. 8 in.)
B Overall Height	3.01 m (9 ft. 11 in.)	3.01 m (9 ft. 11 in.)
C Rear-End Length/Swing Radius	2.89 m (9 ft. 6 in.)	2.89 m (9 ft. 6 in.)
D Distance Between Idler/Sprocket Centerline	3.35 m (11 ft. 0 in.)	3.66 m (12 ft. 0 in.)
E Undercarriage Length	4.17 m (13 ft. 8 in.)	4.47 m (14 ft. 8 in.)
F Counterweight Clearance	1030 mm (3 ft. 5 in.)	1030 mm (3 ft. 5 in.)
G Upperstructure Width	2.71 m (8 ft. 11 in.)	2.71 m (8 ft. 11 in.)
H Cab Height	2.95 m (9 ft. 8 in.)	2.95 m (9 ft. 8 in.)
I Track Width with Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)	600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)
J Gauge Width	2.22 m (7 ft. 3 in.)	2.39 m (7 ft. 10 in.)
K Ground Clearance	450 mm (17.72 in.)	450 mm (17.72 in.)
L Overall Width with Triple Semi-Grouser Shoes		
600 mm (24 in.)	2.82 m (9 ft. 3 in.)	2.99 m (9 ft. 10 in.)
700 mm (28 in.)	2.92 m (9 ft. 7 in.)	3.09 m (10 ft. 2 in.)
800 mm (32 in.)	3.02 m (9 ft. 11 in.)	3.19 m (10 ft. 6 in.)



210G / 210G LC EXCAVATORS

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210G Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket, standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4650 (10,210)	4530 (9,720)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4370 (9,400)	4610 (9,890)	2940 (6,300)
3.0 m (10 ft.)					7950 (17,100)	6510 (14,040)	6070 (13,150)	4140 (8,910)	4500 (9,670)	2840 (6,100)
1.5 m (5 ft.)					9680 (20,880)	6030 (12,990)	6270 (13,480)	3910 (8,410)	4380 (9,420)	2730 (5,860)
Ground Line			4270 (9,930)	4270 (9,930)	9720 (20,860)	5770 (12,420)	6090 (13,090)	3740 (8,060)	4290 (9,220)	2640 (5,680)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	9630 (20,670)	5700 (12,250)	6010 (12,920)	3670 (7,910)	4260 (9,170)	2620 (5,640)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13 810 (29,920)	11 360 (24,350)	9650 (20,830)	5760 (12,390)	6050 (13,020)	3710 (7,990)		
-4.5 m (-15 ft.)			10 680 (22,820)	10 680 (22,820)	7540 (16,000)	5960 (12,860)				
With 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4650 (10,210)	4600 (9,890)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4450 (9,560)	4710 (10,090)	3000 (6,420)
3.0 m (10 ft.)					7950 (17,100)	6620 (14,280)	6070 (13,150)	4210 (9,070)	4600 (9,870)	2900 (6,220)
1.5 m (5 ft.)					9680 (20,880)	6140 (13,230)	6390 (13,750)	3980 (8,570)	4470 (9,620)	2790 (5,980)
Ground Line			4270 (9,930)	4270 (9,930)	9910 (21,270)	5880 (12,650)	6210 (13,360)	3820 (8,220)	4380 (9,420)	2700 (5,810)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	9830 (21,080)	5810 (12,490)	6130 (13,190)	3750 (8,070)	4350 (9,380)	2680 (5,760)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13 810 (29,920)	11 560 (24,780)	9650 (20,840)	5870 (12,620)	6170 (13,290)	3780 (8,150)		
-4.5 m (-15 ft.)			10 680 (22,820)	10 680 (22,820)	7540 (16,000)	6070 (13,100)				
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4650 (10,210)	4640 (9,960)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4480 (9,640)	4750 (10,190)	3020 (6,480)
3.0 m (10 ft.)					7950 (17,100)	6670 (14,380)	6070 (13,150)	4250 (9,140)	4640 (9,970)	2920 (6,280)
1.5 m (5 ft.)					9680 (20,880)	6180 (13,330)	6450 (13,880)	4010 (8,640)	4520 (9,710)	2810 (6,040)
Ground Line			4270 (9,930)	4270 (9,930)	10 000 (21,460)	5920 (12,760)	6270 (13,480)	3850 (8,290)	4420 (9,520)	2730 (5,860)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	9910 (21,270)	5850 (12,590)	6190 (13,320)	3780 (8,140)	4400 (9,470)	2700 (5,820)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13 810 (29,920)	11 650 (24,970)	9650 (20,840)	5910 (12,730)	6230 (13,410)	3820 (8,220)		
-4.5 m (-15 ft.)			10 680 (22,820)	10 680 (22,820)	7540 (16,000)	6120 (13,200)				

210G LC Lift Capacities

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 666-kg (1,468 lb.) bucket, standard counterweight, and standard gauge; and situated on firm, level, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567 (with power boost).

HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION										
LOAD POINT HEIGHT	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.91-m (9 ft. 7 in.) arm and 600-mm (24 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4650 (10,210)	4650 (10,210)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4870 (10,480)	4820 (10,560)	3300 (7,070)
3.0 m (10 ft.)					7950 (17,100)	7310 (15,750)	6070 (13,150)	4630 (9,980)	5120 (11,000)	3200 (6,870)
1.5 m (5 ft.)					9680 (20,880)	6810 (14,670)	6940 (15,030)	4400 (9,470)	4990 (10,730)	3080 (6,630)
Ground Line			4270 (9,930)	4270 (9,930)	10 540 (22,810)	6540 (14,080)	6980 (15,000)	4230 (9,110)	4900 (10,540)	3000 (6,450)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	10 510 (22,760)	6470 (13,910)	6900 (14,830)	4160 (8,950)	4870 (10,490)	2970 (6,400)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13 810 (29,920)	13 120 (28,090)	9650 (20,840)	6530 (14,050)	6940 (14,930)	4190 (9,040)		
-4.5 m (-15 ft.)			10 680 (22,820)	10 680 (22,820)	7540 (16,000)	6740 (14,540)				
With 2.91-m (9 ft. 7 in.) arm and 700-mm (28 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4650 (10,210)	4650 (10,210)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	4950 (10,650)	4820 (10,560)	3360 (7,210)
3.0 m (10 ft.)					7950 (17,100)	7430 (16,010)	6070 (13,150)	4720 (10,150)	5180 (11,210)	3260 (7,000)
1.5 m (5 ft.)					9680 (20,880)	6930 (14,930)	6940 (15,030)	4480 (9,640)	5090 (10,950)	3150 (6,760)
Ground Line			4270 (9,930)	4270 (9,930)	10 540 (22,810)	6660 (14,340)	7120 (15,300)	4310 (9,280)	5000 (10,750)	3060 (6,580)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	10 510 (22,760)	6590 (14,170)	7040 (15,130)	4240 (9,130)	4970 (10,700)	3030 (6,530)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13 810 (29,920)	13 340 (28,570)	9650 (20,840)	6650 (14,310)	7010 (15,070)	4280 (9,220)		
-4.5 m (-15 ft.)			10 680 (22,820)	10 680 (22,820)	7540 (16,000)	6860 (14,800)				
With 2.91-m (9 ft. 7 in.) arm and 800-mm (32 in.) triple semi-grouser shoes										
6.0 m (20 ft.)							4650 (10,210)	4650 (10,210)		
4.5 m (15 ft.)					6030 (13,010)	6030 (13,010)	5200 (11,310)	5010 (10,790)	4820 (10,560)	3410 (7,310)
3.0 m (10 ft.)					7950 (17,100)	7520 (16,200)	6070 (13,150)	4780 (10,290)	5180 (11,290)	3310 (7,100)
1.5 m (5 ft.)					9680 (20,880)	7020 (15,120)	6940 (15,030)	4540 (9,780)	5170 (11,110)	3190 (6,860)
Ground Line			4270 (9,930)	4270 (9,930)	10 540 (22,810)	6750 (14,530)	7220 (15,520)	4370 (9,410)	5080 (10,920)	3110 (6,680)
-1.5 m (-5 ft.)	4900 (11,010)	4900 (11,010)	8520 (19,440)	8520 (19,440)	15 100 (22,760)	6680 (14,360)	7140 (15,350)	4300 (9,260)	5050 (10,870)	3080 (6,630)
-3.0 m (-10 ft.)	9390 (21,140)	9390 (21,140)	13 810 (29,920)	13 510 (28,930)	9650 (20,840)	6740 (14,500)	7010 (15,070)	4340 (9,350)		
-4.5 m (-15 ft.)			10 680 (22,820)	10 680 (22,820)	7540 (16,000)	6950 (14,990)				

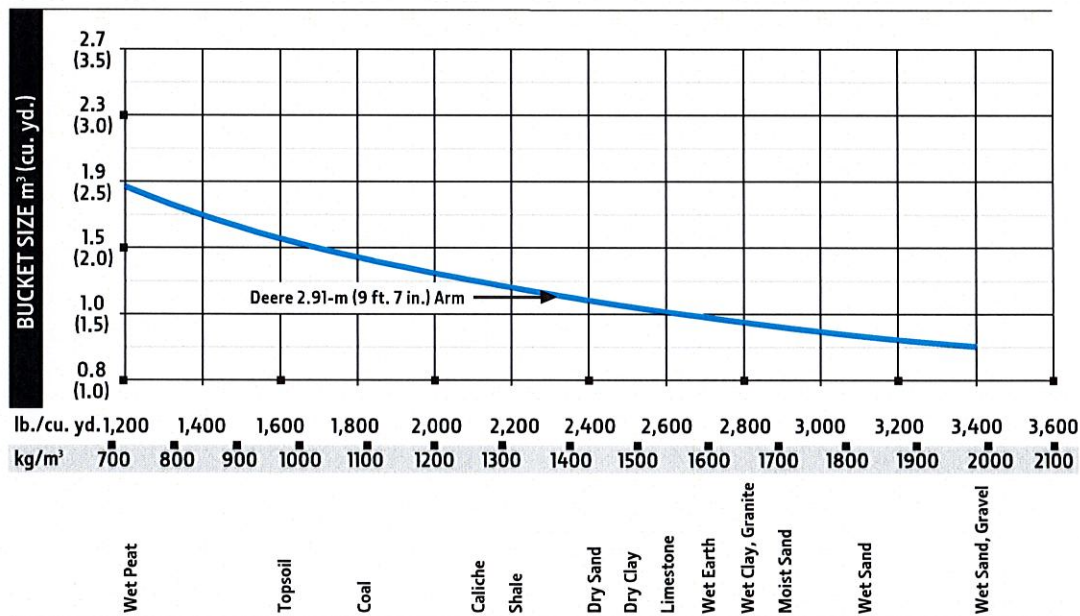
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Buckets 210G / 210G LC

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with John Deere TK-Series Bucket Teeth standard. Replaceable cutting edges and a variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force		Bucket Tip Radius		Number of Teeth
									2.91 m (9 ft. 7 in.)				
Heavy Duty	mm	in.	m ³	cu. yd.	kg	lb.	kN	lbf	kN	lbf	mm	in.	
	914	36	0.69	0.90	704	1,551	164.4	36,948	115.1	25,869	1422	56	5
	1067	42	0.83	1.09	768	1,692	164.4	36,948	115.1	25,869	1422	56	5
Heavy Duty High Capacity	1219	48	0.99	1.29	850	1,873	164.4	36,948	115.1	25,869	1422	56	6
	610	24	0.43	0.56	660	1,453	161.5	36,300	114.4	25,719	1448	57	4
	760	30	0.58	0.76	723	1,593	161.5	36,300	114.4	25,719	1448	57	4
Heavy Duty High Capacity	914	36	0.74	0.97	829	1,825	161.5	36,300	114.4	25,719	1448	57	5
	1067	42	0.91	1.19	924	2,035	161.5	36,300	114.4	25,719	1448	57	5

Bucket Selection Guide*



* Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

210G / 210G LC Engine

- Auto-idle system
- Automatic belt-tension device
- Batteries (2 – 12 volt)
- Coolant recovery tank
- Dual-element dry-type air filter
- Electronic engine control
- Enclosed fan guard (conforms to SAE J1308)
- Engine coolant to –37 deg. C (–34 deg. F)
- Fuel filter with water separator
- Fuel shutoff valve
- Full-flow oil filter
- Turbocharger with charge air cooler
- Cool-on-demand hydraulic-driven fan
- 500-hour engine-oil-change interval
- 70% (35 deg.) off-level capability
- Engine-oil-sampling valve
- Programmable auto shutdown
- ▲ Chrome exhaust stack
- ▲ Severe-duty fuel filter
- ▲ Hydraulic fan reverser
- ▲ Engine coolant heater
- ▲ Engine air precleaner

Hydraulic System

- Reduced-drift valve for boom down, arm in
- Auxiliary hydraulic valve section
- Spring-applied, hydraulically released automatic swing brake
- Auxiliary hydraulic-flow adjustments through monitor
- Auto power lift
- 5,000-hour hydraulic-oil-change interval
- Hydraulic-oil-sampling valve
- Control pattern-change valve
- Powerwise Plus™ hydraulic-management system
- ▲ Auxiliary hydraulics with combination piping
- ▲ Auxiliary pilot and electric controls
- ▲ Hydraulic filter restriction indicator kit
- ▲ Load-lowering control device
- ▲ Single-pedal propel control

Undercarriage

- Planetary drive with axial piston motors
- Propel motor shields
- Spring-applied, hydraulically released automatic propel brake
- Track guides, front idler and center
- 2-speed propel with automatic shift
- Upper carrier rollers (2)
- Sealed and lubricated track chain
- Heavy-duty undercover
- ▲ Triple semi-grouser shoes, 600 mm (24 in.)

210G / 210G LC Undercarriage (continued)

- ▲ Triple semi-grouser shoes, 700 mm (28 in.)
- ▲ Triple semi-grouser shoes, 800 mm (32 in.)

Upperstructure

- Right-hand and left-hand mirrors
- Vandal locks with ignition key: Cab door / Service doors / Toolbox
- Debris screen in side panel
- Remote-mounted engine oil and fuel filters
- Service handrails

Front Attachments

- Centralized lubrication system
- Dirt seals on all bucket pins
- Less boom and arm
- Oil-impregnated bushings
- Reinforced resin thrust plates
- Tungsten carbide thermal coating on arm-to-bucket joint
- ▲ Arm, 2.91 m (9 ft. 7 in.)
- ▲ Attachment quick-couplers
- ▲ Boom cylinder with plumbing to mainframe for less boom and arm
- ▲ Buckets: Heavy duty / Side cutters and teeth
- ▲ Material clamps
- ▲ Super-long fronts

Operator's Station

- Meets ISO 12117-2 for ROPS
- Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
- AM/FM radio
- Auto climate control/air conditioner/heater/pressurizer
- Built-in Operator's Manual storage compartment and manual
- Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- Coat hook
- Standard cloth seat, mechanical suspension, with 100-mm (4 in.) adjustable armrests
- ▲ Deluxe heated cloth seat, air suspension, with 100-mm (4 in.) adjustable armrests
- ▲ Premium thermally heated and actively cooled leather seat
- Retractable seat belt, 76 mm (3 in.) (conforms to SAE J368)
- Floor mat
- Front windshield wiper with intermittent speeds
- Gauges (illuminated): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel
- Horn, electric
- Hourmeter, electric
- Hydraulic shutoff lever, all controls

210G / 210G LC Operator's Station (continued)

- Hydraulic warm-up control
- Interior light
- Large cup holder
- Machine Information Center (MIC)
- Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)
- Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault code alert indicator, fuel-rate display, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
- Motion alarm with cancel switch (conforms to SAE J994)
- Power-boost switch on right console lever
- Auxiliary hydraulic control switches in right console lever
- SAE 2-lever control pattern
- Tinted glass
- Transparent tinted overhead hatch
- Hot/cold beverage compartment
- USB charging port
- ▲ Hydraulic oil filter restriction indicator light
- ▲ Protection screens for cab front, rear, and side
- ▲ Window vandal-protection covers

Grade Control

- ▲ Grade Guidance, factory integrated
- ▲ SmartGrade™ Ready including 2D grade control
- ▲ SmartGrade 3D grade control

Electrical

- 100-amp alternator
- Blade-type multi-fused circuits
- Positive-terminal battery covers
- JDLink™ wireless communication system (available in specific countries; see your dealer for details)
- Rearview camera
- ▲ Cab extension wiring harness

Lights

- Work lights: Halogen / 1 mounted on boom / 1 mounted on frame
- ▲ LED light kit: 2 lights mounted on cab front / 1 mounted on cab rear / 1 mounted on boom / 1 mounted in toolbox

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with 1065-mm (42 in.), 0.91-m³ (1.19 cu. yd.), 886-kg (1,951 lb.) general-purpose buckets; 2.91-m (9 ft. 7 in.) arms; 4250-kg (9,370 lb.) counterweights; 800-mm (32 in.) triple semi-grouser shoes; full fuel tanks; and 79-kg (175 lb.) operators.



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