

BID SUBMITTAL FORM
Alabama County Joint Bid Program
Heavy Equipment – Bid Item: TRACK-MOUNTED HYDRAULIC EXCAVATOR
Option B-3

Company Name: TRACTOR AND EQUIPMENT CO. INC.
 Address: P.O. BOX 12326
BIRMINGHAM AL 35212
 Bid Submitted by: AUTREY McMILLIN JR
 (Name of company representative)
 Title: V.P. E-mail address: _____
 Phone: 205-591-2131 Fax: 205-591-8321

By submitting this bid, we agree:	Initials
The equipment model number identified below meets the bid specs for this bid item	<u>AM</u>
That the bid price will be honored for all counties for the period from January 1, 2023 to December 31, 2023.	<u>AM</u>
The equipment will be delivered at the bid price to all counties participating in the joint bid program	<u>AM</u>
The company representative listed above will be the contact person for purchasing this bid item under the joint bid program	<u>AM</u>
The bid is accompanied by a current catalog or model specification document for the model number identified below	<u>AM</u>
The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications	<u>AM</u>
The bid includes the e-verify documentation required by Alabama law	<u>AM</u>
If awarded the bid, a performance bond will be provided upon request	<u>AM</u>
The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine	<u>AM</u>

**TRACK-MOUNTED HYDRAULIC EXCAVATOR
Option B-3**

Total Bid Price for Standard Machine: \$ 254,800⁰⁰
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)*

Freight Preparation and Delivery: \$ 4800⁰⁰
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 381,444.⁰⁰

Equipment Model #: PC210LC-11 (KOMATSU)

Description: TRACK MOUNTED HYDRAULIC EXCAVATOR (OPTION B-3)

Signature of company representative submitting bid: 
Title: V.P.

***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
TRACK-MOUNTED HYDRAULIC EXCAVATOR
Option B-3**

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*

AM

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

AM

Equipment Model #: PC210LC-11 (KOMATSU)

Description: TRACK MOUNTED HYDRAULIC EXCAVATOR (OPTION B-3)

Signature of company representative submitting bid: _____

[Handwritten Signature]
V.P.

Title: _____

***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 INCLUDES 36 mo / 2000 HR KOMATSU CARE

**BID SPECIFICATIONS
FOR
TRACK-MOUNTED HYDRAULIC EXCAVATOR
Option B-3**

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 No

Page#

Or Attachment

WEIGHT

Minimum 53,000 lbs.

Yes No
Page # ~~20~~ 20

Six (6) cylinders, minimum 408 cubic inch diesel engine with minimum 165 net flywheel horsepower.

Yes No
Page # ~~20~~ 20

Engine must be designed and built by the machine manufacturer.

Yes No
Page # ~~20~~ 20

STARTING SYSTEM

Shall be equipped with a 24-volt electrical system.

Yes No
Page # ~~20~~ 24

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

Yes No
Page # ~~20~~ 24

UNDERCARRIAGE

Track length shall be minimum 14,5'.

Yes No
Page # ~~20~~ 21

Track shoe width shall be minimum 31".

Yes No
Page # ~~20~~ 20

Minimum eight (8) track rollers per side.

Yes No
Page # ~~20~~ 20

Minimum two (2) carrier rollers per side.

Yes No
Page # ~~20~~ 20

CAPACITIES

Fuel Tank Capacity – 105-gallon minimum

Yes No
Page # ~~20~~ 20

Hydraulic Tank Capacity – 34-gallon minimum

Yes No
Page # ~~20~~ 20

Engine Coolant – 7.5-gallon minimum

Yes No
Page # ~~20~~ 20

BOOM AND STICK

One-piece boom with minimum 18' length

Yes No
Page # ~~20~~ 20

Stick shall be a minimum 9.5' long

Yes No
Page # ~~20~~ 20

DIMENSIONS

Reach at ground level – 31' minimum

Yes No
Page # ~~20~~ 22

Bucket breakout force – minimum 29,500 lbs.

Yes No
Page # 22

Stick digging force – minimum 23,000 lbs.

Yes No
Page # 22

HYDRAULICS

Hydraulic pump output shall be a minimum of 125 GPM

Yes No
Page # 20

CAB

Enclosed ROPS cab: Heater

Yes No
Page # 12/24

Factory installed air conditioning

Yes No
Page # 24/12

Defroster

Yes No
Page # 20/12/24

Bucket:

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

INVITATION TO BID HEAVY EQUIPMENT

NOTICE OF BID OPENING

NOTICE IS HEREBY GIVEN that the Association of County Commissions of Alabama, which administers the Alabama County Joint Bid Program on behalf of Alabama's county governing bodies, shall receive and open bids for the purchase of zero (0) or more items of heavy road equipment at its office located at 2 North Jackson Street, Montgomery, Alabama, at **10:00 a.m. on Friday, October 7, 2022**. Bid specifications are available at <http://www.alabamacounties.org/heavy-equipment/> for each of the following items:

Backhoes	Ride-on Industrial Boom Mowers
Tractors	Asphalt Distributor Truck
Track Mount Excavators	Chip Spreader
Compact Track Mount Excavators	Rubber Tire Roller
Mini Track Excavator	7.5 Ton Single Drum Vibratory Roller
Wheeled Excavators	One-man Pothole Patchers
Highway Speed Truck Excavators	Trailer Mounted Patchers
Motor Graders	Trailer Mount Mastic Patcher/Crack Sealer
Heavy Duty Hydrostatic Bulldozers	Half Round End Dump Trailer
Mulching Dozer	Lowboy Trailers
Wheel Loaders	Road Wideners and Attachments
Heavy Duty Dump Chassis	16' Steel Dump Bodies (Automatic and Manual)
Lowboy Tractors	
Skid Steer Loader w/no Attachments	
Skid Steer Attachments	

Time is of the essence in submitting bids and only bids received in the Association office by 10:00 a.m. Central Time on Friday, October 7, 2022 will be opened and considered. Bidders and any other interested individuals are invited to attend the bid opening.

NOTICE OF BID OPENING PROCEDURES

All bids for **Heavy Equipment** will be opened and the name(s) of the bidders read aloud on the morning of the bid opening on Friday, **October 7, 2022 at 10:00 a.m.** at 2 North Jackson Street, Montgomery, AL. The specifics of each bid submitted will be compiled by the Association staff thereafter and will be available, **upon written or emailed request**, one week after the bid opening. Requests should be emailed to jointbid@alabamacounties.org.

THE INVITATION PACKAGE

The invitation package for each item to be bid includes: this invitation to bid, the written bid specifications for the particular item of heavy road equipment, and a Bid Submittal Form to be used in submitting a bid for that particular item. Bidders should verify that they have received all pages of the invitation package. If there are any omissions, the bidder should contact **Kenya Howard** in the Association office by mail, fax, or e-mail (jointbid@alabamacounties.org) to request missing pages. It is the responsibility of the bidder to make this request in sufficient time to prepare and submit the bid in time for the bid opening. Bidders should carefully read and comply with all parts of the invitation package, including all attachments and/or any addendum.

PREPARING AND SUBMITTING BIDS

All bids must be typed or hand written in ink on the attached Bid Submittal Form. **The completed Bid Submittal Form shall be placed in front of and separated from all other documents included in the bid packet, such that it will be the first document viewed upon opening the bid packet.**

Bids submitted in pencil and bids not submitted on the Bid Submittal Form will **not** be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will **not** be considered. Only information contained on the attached Bid Submittal Form and in the model specification document will be considered in evaluating bids.

Each separate requirement in the bid specification includes a block for indicating whether or not the item bid meets the specification. The bidder shall indicate compliance with each requirement by checking "Yes" or "No" in the block to the right of each bid specification. In addition, the bidder shall indicate the page number in the supplied manufacturer's equipment literature on which compliance with the specification can be verified. Failure to complete this portion of the bid form may result in the subject bid not being considered.

Each bid for one of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded in a separate envelope with the bid item and item number clearly identified on the outside of the envelope. Envelopes containing a "no bid" shall also include the words "NO BID" on the outside of the envelope. Facsimiles and e-mails will not be accepted. Bids submitted by "Express/Overnight" services must be in a separate inner envelope or package sealed and identified as stated above. All bids must be received in the Association office prior to the bid opening. Bids received after the deadline will be returned unopened.

The County Joint Bid Program reserves the right to require a performance bond from successful bidders as permitted under Alabama law. However, **no bid bond is required for this bid offering.**

All bids should be mailed or hand-delivered to:

**ATTN: Joint Bid Program
Association of County Commissions of Alabama
2 North Jackson Street, FL 7, Montgomery, Alabama 36104 (Physical Address)
P.O. Box 5040, Montgomery, Alabama 36103 (Mailing Address)**

BID SPECIFICATIONS

Please note that each piece of heavy equipment available for bid may include several different sizes and categories of machines. You should read each set of specifications very carefully as the differences vary depending upon the piece and size of equipment.

The award will be based on the total cost of the **Standard Machine** bid by the lowest responsible bidder. Each Bid shall include a **Manufacturer's Suggested Retail Price Sheet (MSRP)** for each machine bid. The percent difference between the Manufacturer's Suggested Retail Price (MSRP) for the standard machine as specified by these bid specifications and the actual price bid by the vendor will be calculated and that percentage discount shall be applied to any options an individual county may choose to add to the machine.

Once the bids have been awarded, any county participant purchasing under this program may, at its discretion, add any of the vendor's available options at the same discount off the Manufacturer's Suggested Retail Price Sheet as was applied to the Standard Machine Price Bid.

Any use of specific names and/or model numbers in the attached specifications is not intended to restrict the bidder or any seller or manufacturer, but is included solely for the purpose of indicating the type, size, and quality of materials, product services, or equipment considered best adapted to the use of the counties participating in the joint bid program.

ACQUISITION AND FINANCING OPTIONS

The awarded Vendor will provide the equipment, including any options required by the purchaser, at the awarded price as contracted through the Joint Bid Program. The purchaser may secure its own financing to acquire the equipment or execute any financial options available under Alabama law with the awarded Vendor in order to acquire the equipment.

BIDDER QUALIFICATIONS

All bidders and all program participants must be in compliance with any applicable federal, state, county and municipal laws, regulations, resolutions and ordinances, including but not limited to, licensing, permitting, and taxation requirements. All bidders should be prepared to submit evidence or documentation as proof that they are properly licensed and permitted under any applicable laws upon request. Such evidence or documentation may be submitted with the bid. Additionally, all bidders shall provide proof that they are in compliance with the e-verify requirements of Alabama's Immigration Law (Ala. Code § 31-13-1 et seq., as amended by Act No. 2012-491).

BID AWARD

The Houston County Commission will serve as the awarding authority for all bids and will award all contracts at a regular meeting of the Houston County Commission. Any and all bids submitted in compliance with this invitation to bid shall be considered, and award will be made to the lowest responsible bidder meeting bid specifications as determined by the awarding authority in compliance with Alabama law. All bids will be reviewed and evaluated by a committee created for that purpose, which committee will make comments and recommendations to the awarding authority regarding the award. All factors contained in each invitation package will be evaluated in determining the successful bidder, and any omissions of the stated requirements may be cause for rejection of the bid submitted. The awarding authority reserves the

right to reject any and all bids, to waive any informality in bids, and to accept in whole or in part such bid or bids solely at its discretion.

The contract period will be one year with an option to renew for a second and third year under identical price, terms, and conditions upon the mutual consent of the vendor and the awarding authority. Any renewal contract shall be approved in writing by the vendor and the awarding authority no later than 90 days prior to the expiration of the existing contract.

CONTACT REGARDING BIDS AND INVITATION

Contact initiated by a potential bidder with any county official, county employee, or member of the Association staff shall only be as specifically set out in this Invitation to Bid. Any questions related to the bid or the County Joint Bid Program shall be directed to Association staff in writing under the procedures set out in this Invitation to Bid. Additionally, a bidder may contact the Association in writing to request an appointment to review bid specifications following the bid opening. **However, there shall be no communication with any county official or county employee regarding this bid between the date of this invitation and the date of bid award.** Any contact other than as set out here shall be deemed as an attempt to unduly influence the bid award, and shall be grounds for rejection of the bid submitted by the bidder initiating such other contact.

Any questions or problems related to downloading or obtaining copies of this Invitation to Bid should be directed to **Kenya Howard** at jointbid@alabamacounties.org or **334-263-7594**.

Any other questions or requests for additional information regarding this invitation or the bid specifications shall be submitted **in writing** no later than five (5) days prior to bid opening to:

ATTN: Patrick McDougald
Association of County Commissions of Alabama
P.O. Box 5040
Montgomery, Alabama 36104

OR

Patrick McDougald
E-mail: barbeng@bellsouth.net

KOMATSU®

PC210LC-11 PC210LCi-11

Tier 4 Final Engine

intelligent / 2.0
MACHINE CONTROL

HYDRAULIC EXCAVATOR



Photo may include optional equipment.

NET HORSEPOWER

165 HP @ 2,000 rpm
123 kW @ 2,000 rpm

OPERATING WEIGHT

51,397-53,882 lbs.
23,313-24,440 kg

BUCKET CAPACITY

0.66-1.57 yd³
0.50-1.20 m³

PC210LC / PC210LCi

WALK-AROUND

PG210LG-11 / PG210LGH-11



NET HORSEPOWER

165 HP @ 2,000 rpm
123 kW @ 2,000 rpm

OPERATING WEIGHT

51,397-53,882 lbs.
23,313-24,440 kg

BUCKET CAPACITY

0.66-1.57 yd³
0.50-1.20 m³

Photos may include optional equipment.

intelligent / 2.0
MACHINE CONTROL

MAKE EVERY PASS COUNT

Improve your efficiency – intelligent Machine Control means fast excavation to finish grade.

Semi-automatic operation – new features such as bucket angle hold control provide high levels of accuracy and comfort.

Innovative

- intelligent Machine Control excavator features semi-automatic operation of work equipment for highly accurate work.

NEW

Integrated

- Complete factory-installed and integrated intelligent Machine Control system comes standard with stroke sensing hydraulic cylinders, multiple Global Navigation Satellite System (multi-GNSS) components and an Inertial Measurement Unit (IMU) sensor. All components are validated to Komatsu's rigid quality and durability standards.
- Multi-band UHF/915SS radio improves job site flexibility.
- 4G LTE connectivity for fast reliable job site connectivity.

NEW

NEW

Intelligent

- intelligent Machine Control excavator allows the operator to focus on moving material efficiently while semi-automatically tracing the target surface and limiting over-excavation.
- Facing angle compass, light bar and sound guidance aid in ease of operation and bucket positioning.
- Bucket Angle Hold and optional Auto-Tilt Control increase ease of operation and improve productivity and efficiency.

NEW



iNTELLIGENT MACHINE CONTROL

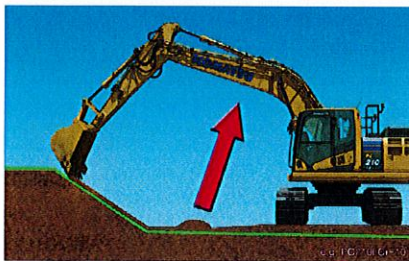


Photo may include optional equipment.

intelligent Machine Control

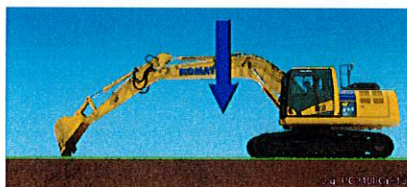
intelligent Machine Control is based on Komatsu's unique sensor package, including stroke sensing hydraulic cylinders, an IMU sensor, and GNSS antennas. It utilizes 3D design data loaded in the control box to accurately check its position against the target. If the bucket hits the target surface,

it is semi-automatically limited to minimize over-excavation. If the operator turns off Auto mode, the machine can be operated with highly accurate, responsive machine guidance, with the machine only providing indication guidance.



• Auto grade assist

With the auto grade assist function, the operator moves the arm, the boom adjusts the bucket height automatically, tracing the target surface and minimizing digging too deep. This allows the operator to perform rough digging without worrying about the design surface, and to perform fine digging by operating the arm lever only. The working range is extended by holding the lever to move the boom downward.



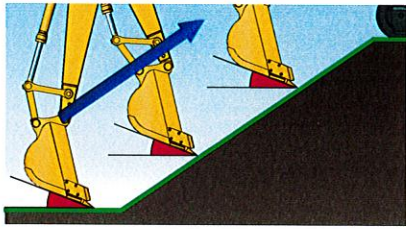
• Auto stop control

During boom or bucket operation, the work equipment automatically stops when the bucket edge reaches the design surface, thus minimizing damage to the design surface.



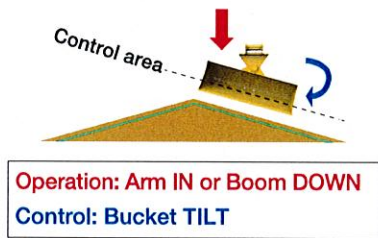
• Minimum distance control

The intelligent Machine Control excavator controls the bucket by automatically selecting the point on the bucket closest to the target surface. Should the machine not be facing a sloped surface at a right angle, it will still follow the target surface and minimize digging below it.



• Bucket angle hold control

Operator sets desired bucket angle and the system automatically maintains bucket angle throughout the grading pass. Angle hold control increases ease of operation and improves final grading accuracy.



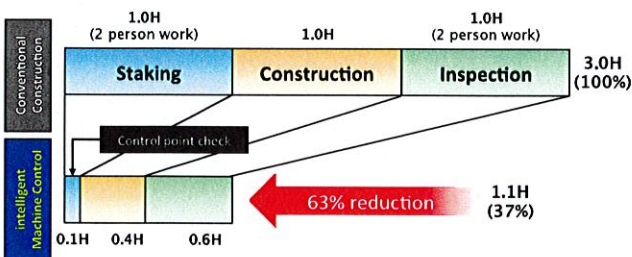
• Auto tilt control

Automatically tilts bucket to design surface and returns it to horizontal to unload. Using auto tilt control with the existing minimum distance control and auto grade assist makes complex grading quicker and easier.

Improved Construction Efficiency

Staking, survey and final inspection (which is usually done manually), can be reduced with the intelligent Machine Control excavator by setting 3D design data on the control box. Also, use of the facing angle compass can minimize leveling work for the surface on which the machine sits. Even if the machine is inclined while working, the facing angle compass allows the operator to ensure that the machine is facing perpendicular to the target surface. The intelligent Machine Control technology allows the operator to improve work efficiency (i.e. shorter construction time) while minimizing over-excavating the target surface from rough digging to finish grading.

Comparison of Construction Time Based On In-House Test of Excavation and Grading Slope Surface*

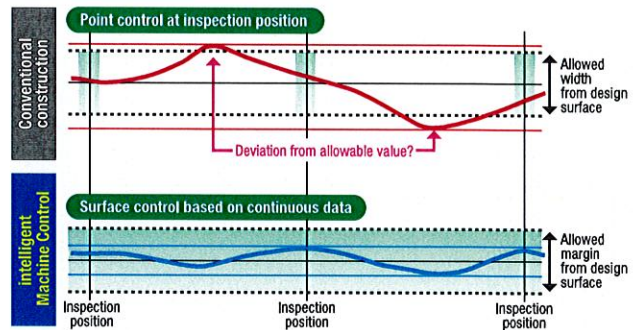


* When used by a qualified iMC operator, the Komatsu intelligent Machine Control system increases construction efficiency.
 * The above data does not include design time or working data creation time.
 * The above data is based on in-house construction tests, performed by Komatsu, whose conditions may differ from actual construction.

Improved Work Accuracy

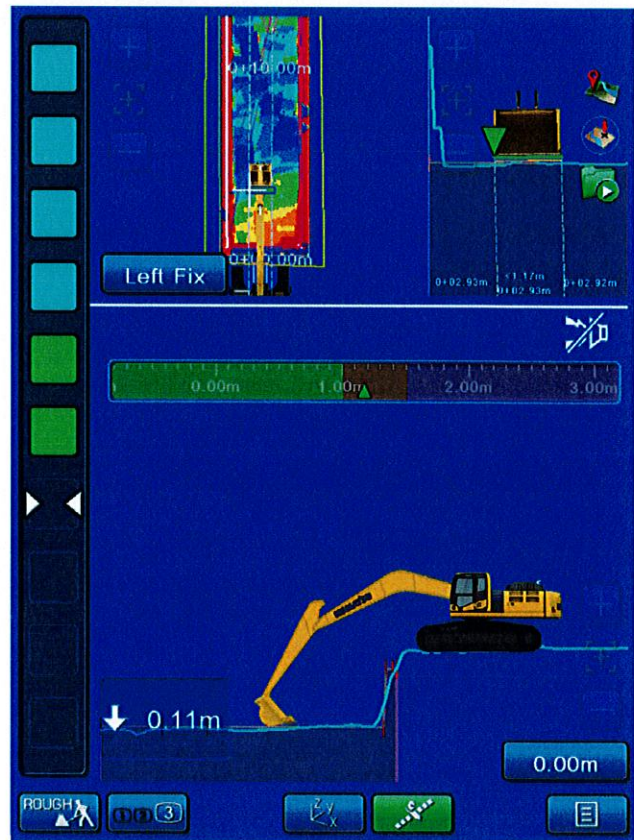
The bucket edge/tip position is instantly displayed on the control box, eliminating the wait time for display on the monitor during construction. The large and easy-to-view control box displays information clearly, aiding in highly accurate work. With manual operation and conventional machine guidance, finish grade quality and excavating accurately depends heavily on the skill of the operator. With the intelligent Machine Control excavator, the bucket is automatically limited to follow the target grade without over-excavating.

Relationship Between Finished Surface and Allowable Value



As-Built Surface Mapping

Operator can display and check the as-built status and find where to cut and fill.



iNTELLIGENT MACHINE CONTROL

PG210LG-11 / PG210LGH-11

CONTROL BOX

The monitor of the Komatsu intelligent Machine Control (control box) uses a compact 10.4" screen for visibility and ease of use. The simple screen layout displays the necessary information in an easily understood fashion. Touch screen icon interface instead of multi-step menu simplifies operation.

Facing angle compass
Light bar

Bucket edge position selection button
Used to select the bucket edge position (left/middle/right/minimum distance) to determine the distance from the design surface

Distance from design surface

Mode selection button
Driving, Rough digging, Fine digging modes

Screen selection button
Use to change the screen layout

Auto/Manual switch

Pop-up map button
Displays a wide-area map

Edge position recording button

Sound guidance ON/OFF

Bucket edge position check button

GNSS signal reception status check button
Used to check signal reception from the GNSS

Design surface offset
The design surface can be off-set in the vertical direction

Main menu button
For various settings

Preset Elevation Offset Quick Button

Pre-determined offsets can be stored in the monitor to allow an operator to easily switch between preset grades.

Offset preset	0.000'	Apply
	0.500'	Apply
	1.500'	Apply

Button switch mode: **Offset preset**

Quick Bucket Swap Button

Allows users to quickly swap between various buckets without having to enter main menu. This lessens the time a user takes to change out a bucket on the monitor.

Machine Navigation

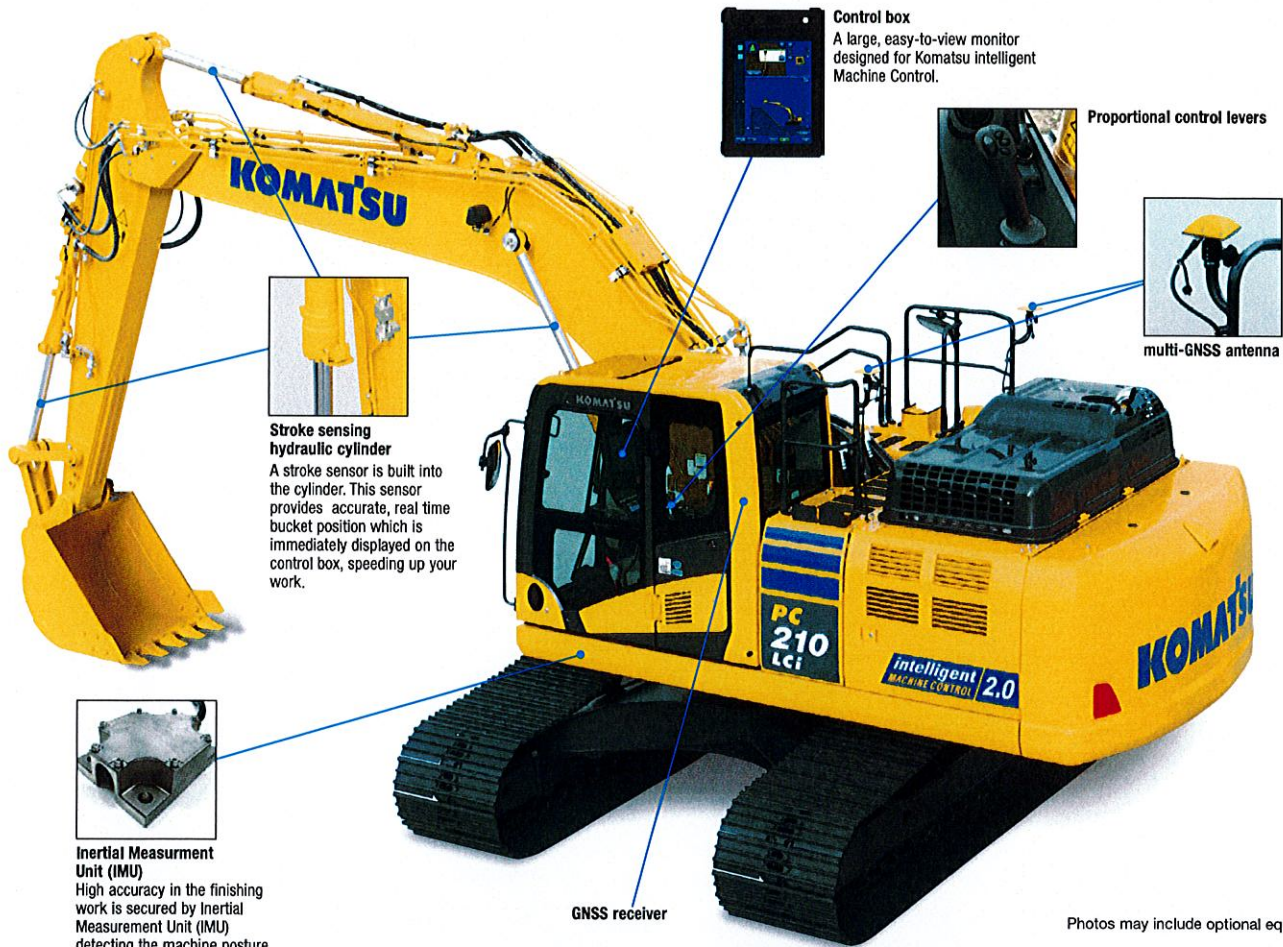
Facing angle compass

The orientation and color of the facing angle compass's arrow shows the operator the facing angle of the bucket edge relative to the target surface. This allows the bucket edge to be accurately positioned square with the target surface, which is useful when finishing slopes.

Enhanced operability of the machine control

Semi-auto/manual mode switching and design surface offset function can be operated with switches on the control levers.

Factory installed Komatsu intelligent Machine Control components.



Control box
A large, easy-to-view monitor designed for Komatsu intelligent Machine Control.

Proportional control levers

multi-GNSS antenna



Stroke sensing hydraulic cylinder
A stroke sensor is built into the cylinder. This sensor provides accurate, real time bucket position which is immediately displayed on the control box, speeding up your work.



Inertial Measurement Unit (IMU)
High accuracy in the finishing work is secured by Inertial Measurement Unit (IMU) detecting the machine posture.

GNSS receiver

Photos may include optional equipment.

SMARTCONSTRUCTION
Remote

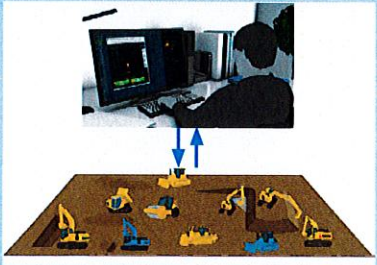
Remote allows customers to quickly send design files to their intelligent machines and provide support to operators in the machine.



Users can log-in to Remote, locate machines by job site to upload or download design files at any time.



View the machine monitor to troubleshoot or add new files in the machine without the time requirements of traditional methods.



Capable of connecting to mixed fleet customers.



View or navigate machine monitor live with operator.

iNTELLIGENT MACHINE CONTROL

Work smarter from rough digging to finish grade

Give your operators the power to work more effectively than with conventional aftermarket machine guidance (indicate only) or manual operation. Intelligent Machine Control (iMC) excavators with semi-automatic control offer the capability to work smart from rough digging to finish grading, and help minimize over-excitation to make every pass count.

- Semi-automatic for trenching, slope work and high production applications
- Protection + precision + performance = the formula for pursuing maximum productivity versus conventional machine guidance



PC210LG-11/PC210LGH-11

Working smarter in every way

Benefits of iMC 2.0



Save money

Frees GPS Dozer from need to achieve final grade so it can work elsewhere on the site.



Save time

Reduce staking, grading and inspection with 3D design data and semi-automatic grading.



Less time grade checking

Monitor performance and stay on grade from the cab; operators spend time working, not grade checking.



Improve accuracy

Continuously monitor grade and semi-automatics to dig precisely to grade.



Reduce base aggregate

Greatly reduce over-digging and the amount of costly base aggregate needed for applications like utilities.

**All savings, improvements, and reductions are compared to traditional grading methods.*



PERFORMANCE FEATURES

Increased Work Efficiency

Powerful digging force

With the one-touch Power Max. function digging force is increased. (8.5 seconds of operation)

Maximum arm crowd force (ISO)

101 kN(10.3t) ➔ **108 kN(11.0t) 7% UP**
(with Power Max.)

Maximum bucket digging force (ISO)

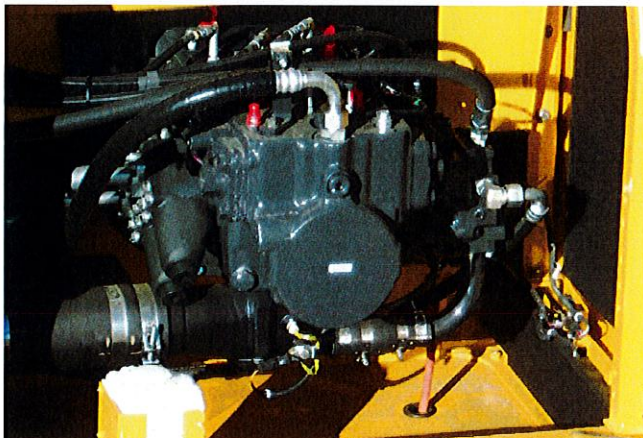
138 kN(14.1t) ➔ **149 kN(15.2t) 8% UP**
(with Power Max.)

Measured with Power Max. function, 3045 mm arm and ISO rating



Large Displacement High Efficiency Pump

Large displacement hydraulic implement pumps provide high flow output at lower engine RPM as well as operation at the most efficient engine speed.



Working Mode Selection

The PC210LCi-11 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC210LCi-11 features an attachment mode (ATT/E) that allows operators to run attachments while in Economy mode.

Working Mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none"> •Maximum production/power •Fast cycle times
E	Economy mode	<ul style="list-style-type: none"> •Good cycle times •Better fuel economy
L	Lifting mode	<ul style="list-style-type: none"> •Increases hydraulic pressure
B	Breaker mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow, 2-way •Power mode
ATT/E	Attachment Economy mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow, 2-way •Economy mode

- P** Work priority
P mode
- E** Fuel priority
E mode
- L** L mode
- B** B mode
- ATT/P** Work priority
ATT/P mode
- ATT/E** Fuel priority
ATT/E mode



High Rigidity Work Equipment

Booms and arms are constructed with thick plates of high tensile strength steel. In addition, these structures are designed with large cross sectional areas and large one piece castings in the boom foot, the boom tip, and the arm tip. The result is work equipment that exhibits long term durability and high resistance to bending and torsional stress. A standard HD boom design provides increased strength and reliability.



Komatsu Integrated Attachment Control (Optional)

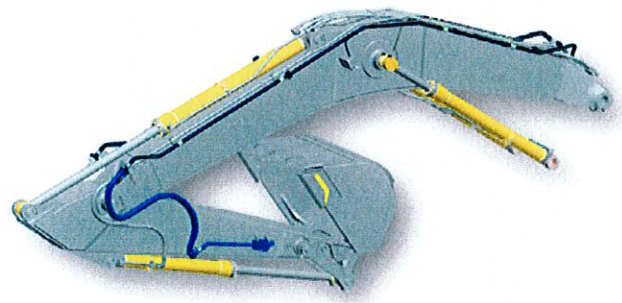
Factory-integrated auxiliary hydraulic attachment control with programmable pressure and flow settings for up to 15 different tools. Settings can be easily changed from the machine monitor optimizing attachment control and performance. Proportional joysticks help expand versatility by giving the operator precise hydraulic attachment control.

*Not available on PC210LC-11



+1 Attachment Piping(Optional)

Factory-engineered auxiliary attachment circuit piping is designed and sized to work efficiently with the excavator main hydraulic system. Constructed of large diameter steel tubing with 4 bolt flange connections and robust mounting points, the auxiliary hydraulic piping is designed for durable, reliable use.



KOMATSU NEW ENGINE TECHNOLOGIES

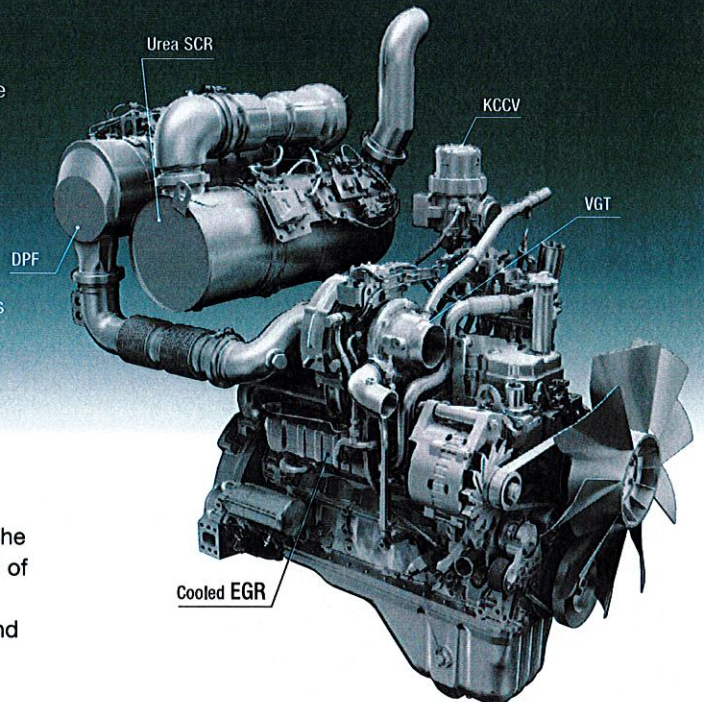
New Tier 4 Final Engine

The Komatsu SAA6D107E-3 engine is EPA Tier 4 Final emissions-certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces nitrogen oxides (NOx) by more than 80% when compared to prior Komatsu Tier 4 levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.

Technologies Applied to New Engine

Heavy-duty aftertreatment system

This new system combines a Diesel Particulate Filter (DPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapor (H₂O) and nitrogen gas (N₂).



WORKING ENVIRONMENT

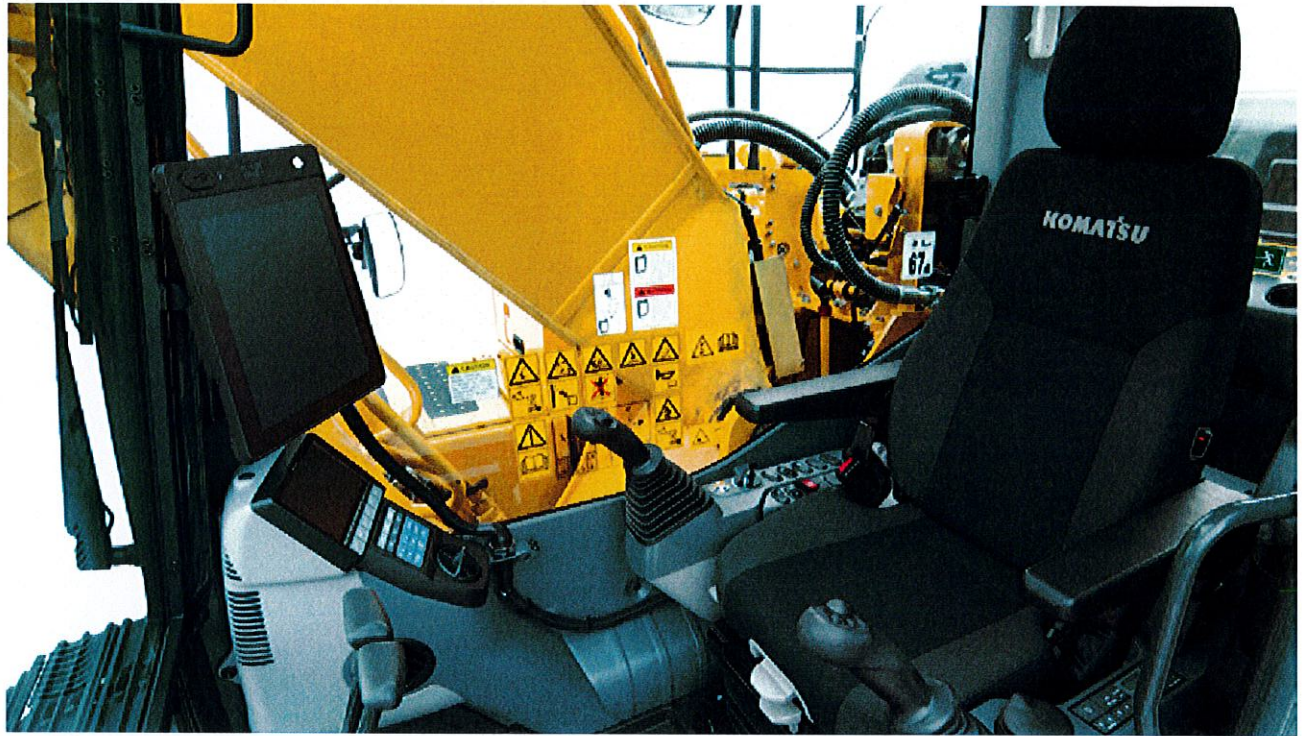


Photo may include optional equipment.

Comfortable Working Space

Wide spacious cab

The wide spacious cab includes a heated air suspension seat with reclining backrest. The seat height and position are easily adjusted using a pull-up lever. The armrest position is easily adjusted together with the console.

Arm rest with simple height adjustment function

A knob and plunger on the armrests allows easy height adjustment without the use of tools.



Low vibration with cab damper mounting

Automatic climate control

Pressurized cab

Auxiliary input jack

Connecting a regular audio device to the auxiliary jack allows the operator to hear the sound from the stereo speakers installed in the cab.



Standard Equipment

Sliding window glass (left side)



Radio



Remote intermittent wiper with windshield washer



Magazine box & cup holder



Opening & closing skylight



One-touch storable front window lower glass



Defroster (conform to the ISO standard)



LARGE HIGH RESOLUTION LCD MONITOR



New Monitor Panel Interface Design

An updated large high resolution LCD color monitor enables accurate and smooth work. The interface has been redesigned to display key machine information in a new user friendly interface. A rear view camera and an DEF level gauge display have been added to the default main screen. The interface has a function that enables the main screen mode to be switched, thus enabling the optimum screen information for the particular work situation to be displayed.

Indicators

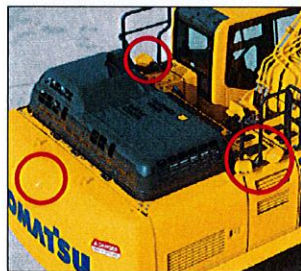
- | | |
|------------------------------------|-----------------------------|
| 1 Auto-decelerator | 8 Fuel gauge |
| 2 Working mode | 9 DEF level gauge |
| 3 Travel speed | 10 Service meter, clock |
| 4 Ecology gauge | 11 Fuel consumption gauge |
| 5 Camera display | 12 Guidance icon |
| 6 Engine coolant temperature gauge | 13 Function switches |
| 7 Hydraulic oil temperature gauge | 14 Camera direction display |
| | 15 DEF level caution lamp |

Basic operation switches

- | | |
|-------------------------|-------------------------|
| 1 Auto-decelerator | 4 Buzzer cancel |
| 2 Working mode selector | 5 Wiper |
| 3 Travel speed selector | 6 Window washer |
| | 7 Auto climate controls |

KomVision (Optional)

Images from 4 camera's are combined to display a "birds eye" view of the area around the machine for improved operator awareness. A second display with selectable individual camera views of the left, rear, and right sides is easily changed using the F4 button. A red line continuously shows where the counterweight will be during swinging and a camera icon indicates which camera is being displayed on individual camera display screen.



Visual user menu

Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated easily.



- | | |
|---------------------------------------|--------------------|
| 1 Energy saving guidance | 2 Machine settings |
| 3 Aftertreatment devices regeneration | 4 SCR information |
| 5 Maintenance | 6 Monitor setting |
| | 7 Message check |

WORKING ENVIRONMENT

Support Efficiency Improvement

Ecology guidance

While the machine is operating, ecology guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

Ecology gauge & fuel consumption gauge

The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.



Ecology gauge Fuel consumption gauge
Ecology guidance

Operator Identification Function

An operator identification ID can be set up for each operator, and used to manage operation information of individual machines using KOMTRAX data. Data sent from KOMTRAX can be used to analyze operation status by operator as well as by machine.

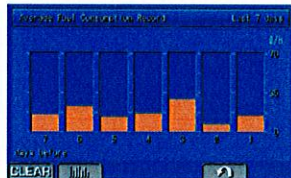


Operation record, fuel consumption history, and ecology guidance record

The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu, with a single touch.

Operation Record (Hour)	
Working Time (Before Set)	0.0
Average Fuel Consumption	20.0 (L/H)
Actual Ecology Index	0.1
Air Fuel Consumption (Before Working)	20.0 (L/H)
Fuel Consumption	2
Working Hours	0.1

Operation record



Fuel consumption history

ECO Index Record (Hour)	
Low Time Engine Lifting Level	1
Hydraulic Pressure Fall off Level	1
Excessive Work Prohibited	0
Travel at Prohibit. Digging Prohibited	0

Operational Advice
Avoiding unnecessary hydraulic relief pressure is effective to save fuel.

Ecology guidance record



MAINTENANCE FEATURES

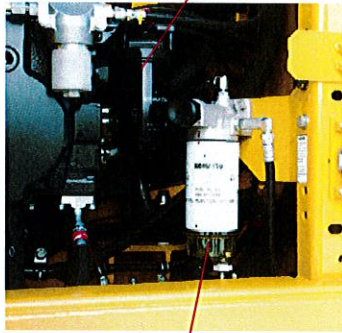


Centralized engine check points

Locations of the engine oil check and filters are integrated into one side to allow easy maintenance and service.



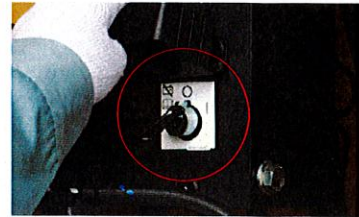
High efficiency fuel filter



Fuel pre-filter (with water separator)

Battery disconnect switch

A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.



Easy to access air conditioner filter

Washable cab floormat

Sloping track frame

Utility space

Easy cleaning of coolers

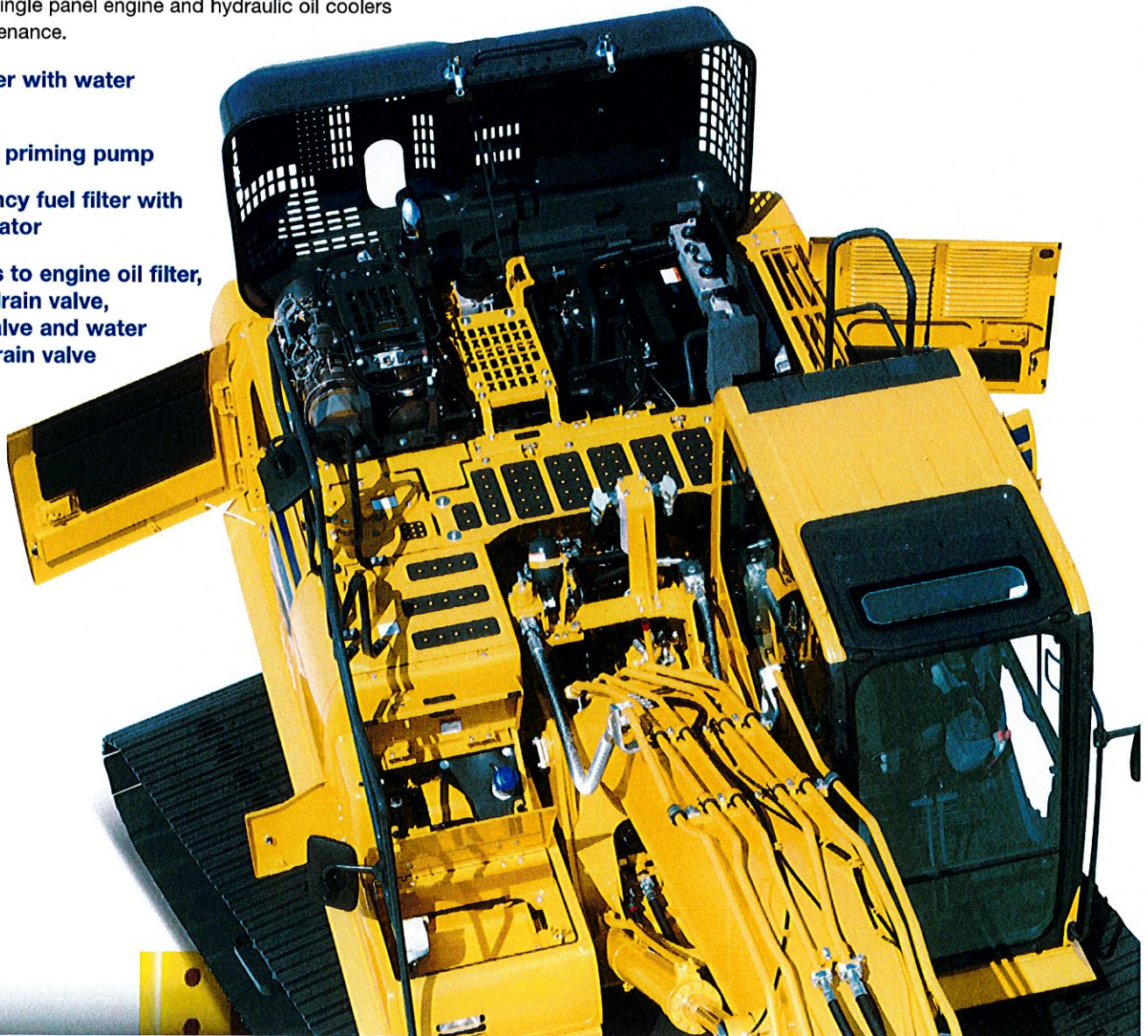
Side by side single panel engine and hydraulic oil coolers simplify maintenance.

Fuel pre-filter with water separator

Electric fuel priming pump

High efficiency fuel filter with water separator

Easy access to engine oil filter, engine oil, drain valve, fuel drain valve and water separator drain valve



MAINTENANCE FEATURES

Long-life oils, filters

High performance filters are used in the hydraulic circuit and engine. By increasing the oil and filter replacement intervals, maintenance costs can be significantly reduced.



Hydraulic oil filter
(Ecology-white element)

Engine oil & Engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours
DEF pump filter	every 2000 hours

Large capacity air cleaner

Large capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and helps prevent early clogging, and resulting power loss. A radial seal design is used for reliability.

Diesel Exhaust Fluid (DEF) tank

A large tank volume extends operating time before refilling and is installed on the right front stairway for ease of access.



Maintenance Information

"Maintenance time caution lamp" display

When the remaining time to maintenance becomes less than 30 hours*, a maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen.

* : The setting can be changed within the range between 10 and 200 hours.



Maintenance screen

Manual Stationary Regeneration

Under most conditions, active regeneration will occur automatically with no effect on machine operation. In case the operator needs to disable active regeneration or initiate a manual stationary regeneration, this can be easily accomplished through the monitor panel. A soot level indicator is displayed to show how much soot is trapped in the DPF.

Soot level indicator



Aftertreatment device regeneration screen

Supports the DEF level and refill timing

The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.

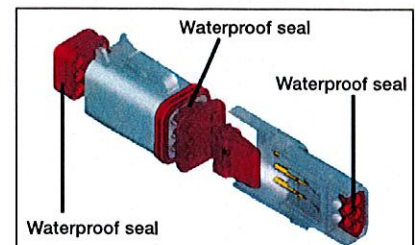


DEF level gauge

DEF low level guidance

DT-type connectors

Sealed DT-type electrical connectors provide high reliability, water and dust resistance.



GENERAL FEATURES



ROPS CAB STRUCTURE

ROPS Cab (ISO 12117-2)

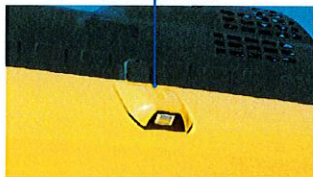
The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. It also satisfies the requirements for Level 1 Operator Protective Guard (OPG) and top guard (ISO 10262).



Rear View Monitoring System

A new rear view monitoring system display has a rear view camera image that is continuously displayed together with the gauges and important vehicle information. This enables the operator to carry out work while checking the surrounding area.

Rear view camera

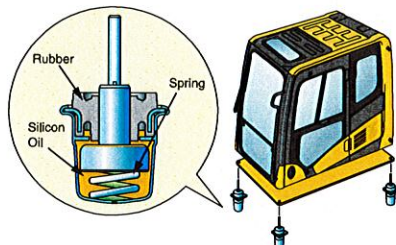


Rear view image on monitor



Low Vibration with Viscous Cab Mounts

The PC210LC-11 and PC210LCi-11 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator's seat.



General Features

Secondary engine shut down switch at base of seat to shutdown the engine.



Lock lever

Seat belt retractable

Tempered & tinted glass

Large mirrors

Slip-resistant plates

Thermal and fan guards

Pump/engine room partition

Travel alarm

Large cab entrance step

Left and right side handrails



Seat belt caution indicator



KOMATSU PARTS & SERVICE SUPPORT



KOMATSU CARE

Program Includes:

*The PC210LC-11 and PC210LCi comes standard with complimentary factory scheduled maintenance for the first 3 Years or 2,000 Hours, whichever comes first.

Planned Maintenance Intervals at:

500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA)/Travel & Mileage (distance set by distributor; additional charges may apply)

Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

Complimentary DPF Exchange

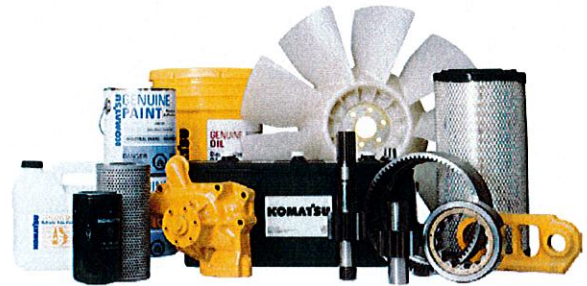
The PC210LC-11 and PC210LCi comes standard with 2 Complimentary DPF Exchange units for the first 5 Years or 9000 hours whichever comes first. The suggested DPF Exchange unit service intervals are 4500 hours & 9000 hours. End user must have authorized Komatsu distributor perform the removal & installation of the DPF.

Complimentary SCR System Maintenance

The PC210LC-11 and PC210LCi also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel Exhaust Fluid (DEF) system during the first 5 Years or 9000 hours whichever comes first. The service includes factory recommended DEF tank flush & strainer cleaning at the suggested service intervals of 4500 hours & 9000 hours.

Komatsu CARE® – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs



Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction



Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

Interval PM	500	1000	1500	2000
KOWA SAMPLING – (Engine, Hydraulics, Swing Circle, L & R Final Drives)	✓	✓	✓	✓
LUBRICATE MACHINE	✓	✓	✓	✓
LUBRICATE SWING CIRCLE	✓	✓	✓	✓
CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY	✓	✓	✓	✓
CHANGE ENGINE OIL	✓	✓	✓	✓
REPLACE ENGINE OIL FILTER	✓	✓	✓	✓
REPLACE FUEL PRE-FILTER	✓	✓	✓	✓
REPLACE AC FRESH & RECIRC AIR FILTERS	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	✓	✓	✓	✓
DRAIN SEDIMENT FROM FUEL TANK	✓	✓	✓	✓
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	✓	✓	✓	✓
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	✓	✓	✓	✓
REPLACE HYDRAULIC TANK BREATHER ELEMENT		✓		✓
REPLACE DEF TANK BREATHER ELEMENT		✓		✓
REPLACE FUEL MAIN FILTER		✓		✓
REPLACE HYDRAULIC OIL FILTER ELEMENT		✓		✓
CHANGE SWING MACHINERY OIL		✓		✓
CHECK DAMPER CASE OIL LEVEL, ADD WHEN NECESSARY		✓		✓
CHANGE FINAL DRIVE OIL				✓
CLEAN HYDRAULIC TANK STRAINER				✓
REPLACE KCCV FILTER ELEMENT				✓
REPLACE DEF PUMP FILTER				✓
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	✓	✓
2 DPF Exchanges at 4,500 Hrs and 9,000 Hrs.				
2 SCR System Maintenance Services at 4,500 Hrs. and 9000 Hrs.				

* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd. Copyright 2021 Komatsu America Corp.

PG210LC-11 / PG210LCi-11

KOMTRAX EQUIPMENT MONITORING



GET THE WHOLE STORY WITH
KOMTRAX®

✓ **WHAT**

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

✓ **WHEN**

- Know when your machines are **running or idling** and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance is due** and help you plan for future maintenance needs

✓ **WHERE**

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

✓ **WHO**

- KOMTRAX is **standard** equipment on all Komatsu construction products



Photo many include optional equipment.

✓ **WHY**

- Knowledge is power - **make informed decisions** to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- **Take control of your equipment** - any time, anywhere



KOMTRAX®

KOMTRAX Plus®

For construction and commercial equipment.

For production and mining equipment.

- Information such as fuel

and help you plan for future maintenance needs

SPECIFICATIONS



ENGINE

Model..... Komatsu SAA6D107E-3*
 Type..... Water-cooled, 4-cycle, direct injection
 Aspiration..... Variable Geometry Turbocharged, aftercooled, cooled EGR
 Number of cylinders..... 6
 Bore..... 107 mm **4.21"**
 Stroke..... 124 mm **4.88"**
 Piston displacement..... 6.69 ltr **408 in³** ✓
 Horsepower
 ISO 9249 / SAE J1349..... Net 122.8 kW **165 HP** ✓
 Fan at maximum speed..... Net 118.6 kW **159 HP**
 Rated rpm..... 2000 rpm
 Fan drive method for cooling radiator..... Mechanical with viscous fan clutch
 Governor..... All-speed control, electronic
 *EPA Tier 4 Final emissions certified



HYDRAULICS

Type..... HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
 Number of selectable working modes..... 6
 Main pump:
 Type..... Variable displacement piston type
 Pumps for..... Boom, arm, bucket, swing, and travel circuits
 Maximum flow..... 475 ltr/min **125.5 gal/min** ✓
 Supply for control circuit..... Self-reducing valve
 Hydraulic motors:
 Travel..... 2 x axial piston motors with parking brake
 Swing..... 1 x axial piston motor with swing holding brake
 Relief valve setting:
 Implement circuits..... 37.3 MPa 380 kg/cm² **5,400 psi**
 Travel circuit..... 37.3 MPa 380 kg/cm² **5,400 psi**
 Swing circuit..... 28.9 MPa 295 kg/cm² **4,190 psi**
 Pilot circuit..... 3.2 MPa 33 kg/cm² **470 psi**
 Hydraulic cylinders:
 (Number of cylinders – bore x stroke x rod diameter)
 Boom .. 2–130 mm x 1334 mm x 90 mm **5.1" x 52.5" x 3.5"**
 Arm 1–135 mm x 1490 mm x 95 mm **5.3" x 58.7" x 3.7"**
 Bucket.. 1–115 mm x 1105 mm x 80 mm **4.5" x 43.5" x 3.2"**



DRIVES AND BRAKES

Steering control..... Two levers with pedals
 Drive method..... Hydrostatic
 Maximum drawbar pull..... 202 kN 20570 kg **45,349 lb**
 Gradeability..... 70%, 35°
 Maximum travel speed: High..... 5.5 km/h **3.4 mph**
 (Auto-Shift) Mid..... 4.1 km/h **2.5 mph**
 (Auto-Shift) Low..... 3.0 km/h **1.9 mph**
 Service brake..... Hydraulic lock
 Parking brake..... Mechanical disc brake



SWING SYSTEM

Drive method..... Hydrostatic
 Swing reduction..... Planetary gear
 Swing circle lubrication..... Grease-bathed
 Service brake..... Hydraulic lock
 Holding brake/Swing lock..... Mechanical disc brake
 Swing speed..... 12.4 rpm
 Swing torque..... 6900 kg•m **49,907 ft lbs**



UNDERCARRIAGE

Center frame..... X-frame
 Track frame..... Box-section
 Seal of track..... Sealed track
 Track adjuster..... Hydraulic
 Number of shoes (each side)..... 49
 Number of carrier rollers (each side)..... 2 ✓
 Number of track rollers (each side)..... 9 ✓



COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 400 ltr **105.7 U.S. gal** ✓
 Coolant..... 30.7 ltr **8.1 U.S. gal** ✓
 Engine..... 23.1 ltr **6.1 U.S. gal**
 Final drive, each side..... 5.0 ltr **1.3 U.S. gal**
 Swing drive..... 6.5 ltr **1.7 U.S. gal**
 Hydraulic tank..... 132 ltr **34.9 U.S. gal** ✓
 Hydraulic system..... 234 ltr **61.8 U.S. gal**
 DEF tank..... 23.1 ltr **6.1 U.S. gal**



SOUND PERFORMANCE

Exterior – ISO 6395..... 100 dB(A)
 Interior – ISO 6396..... 66 dB(A)



OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 5700 mm **18'8"** one-piece boom, 2925 mm **9'7"** arm, SAE heaped 1.19 m³ **1.57 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure (ISO 16754)
700 mm 28"	24160 kg 53,265 lb	0.47 kg/cm ² 6.7 psi
800 mm 31.5" ✓	24440 kg 53,882 lb	0.42 kg/cm ² 5.9 psi

Component Weights

Arm including bucket cylinder and linkage

2900 mm **9'7"** HD arm assembly..... 1136 kg **2,505 lb**
 2900 mm **9'7"** HD arm assembly w/piping..... 1200 kg **2,646 lb**

One piece boom including arm cylinder

5700 mm **18'8"** boom assembly..... 1885 kg **4,156 lb**
 5700 mm **18'8"** HD boom assembly w/piping.. 1953 kg **4,306 lb**

Boom cylinders x 2..... 205 kg **452 lb**

Counterweight (standard)..... 4370 kg **9,634 lb**

1.19 m³ **1.57 yd³** bucket - 48" width..... 949 kg **2,092 lb**

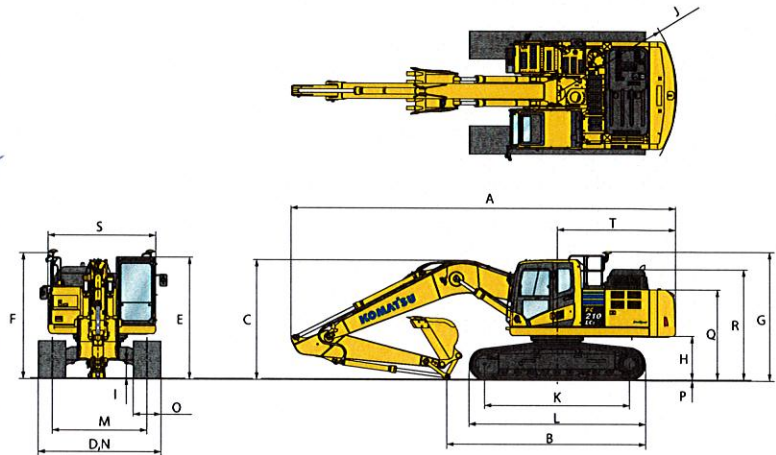
PG210LG-11 / PG210LGH-11



DIMENSIONS

Arm Length	2925 mm	9'7"
A Overall length	9705 mm	31'10"
B Length on ground (transport)	5000 mm	16'5"
C Overall height (to top of boom)*	2995 mm	9'10"
D Overall width	3080 mm	10'1"
E Overall height (to top of cab)*	3045 mm	10'0"
F Overall height (to top of handrail)*	3135 mm	10'3"
G Overall height (to top of GNSS antenna)*	3205 mm	10'6"
H Ground clearance, counterweight	1085 mm	3'7"
I Ground clearance, minimum	440 mm	1'5"
J Tail swing radius	3020 mm	9'11"
K Track length on ground	3655 mm	12'0"
L Track length	4450 mm	14'7"
M Track gauge	2380 mm	7'10"
N Width of crawler	3080 mm	10'1"
O Shoe width	700 mm	28"
P Grouser height	26 mm	1"
Q Machine height to top of counterweight	2250 mm	7'5"
R Machine height to top of engine cover	2765 mm	9'1"
S Machine upper width	2705 mm	8'10"
T Distance, swing center to rear end	2990 mm	9'10"

*: Including grouser height



BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Type	Bucket						5.7 m (18'8") Boom	
	Capacity		Width		Weight		2.9 m (9'7")	
Komatsu TL	0.50 m ³	0.66 yd ³	610 mm	24"	605 kg	1,334 lb	●	
	0.67 m ³	0.88 yd ³	762 mm	30"	689 kg	1,518 lb	●	
	0.85 m ³	1.11 yd ³	914 mm	36"	780 kg	1,719 lb	●	
	1.02 m ³	1.34 yd ³	1067 mm	42"	857 kg	1,890 lb	○	
	1.20 m ³	1.57 yd ³	1219 mm	48"	949 kg	2,092 lb	□	
Komatsu HP	0.50 m ³	0.66 yd ³	610 mm	24"	652 kg	1,437 lb	●	
	0.67 m ³	0.88 yd ³	762 mm	30"	763 kg	1,681 lb	●	
	0.85 m ³	1.11 yd ³	914 mm	36"	868 kg	1,913 lb	●	
	1.02 m ³	1.34 yd ³	1067 mm	42"	950 kg	2,095 lb	○	
	1.20 m ³	1.57 yd ³	1219 mm	48"	1066 kg	2,349 lb	○	
Komatsu HPS	0.50 m ³	0.66 yd ³	610 mm	24"	724 kg	1,597 lb	●	
	0.67 m ³	0.88 yd ³	762 mm	30"	840 kg	1,851 lb	●	
	0.85 m ³	1.11 yd ³	914 mm	36"	962 kg	2,120 lb	●	
	1.02 m ³	1.34 yd ³	1067 mm	42"	1061 kg	2,339 lb	□	
	1.20 m ³	1.57 yd ³	1219 mm	48"	1193 kg	2,630 lb	○	
Komatsu HPX	0.50 m ³	0.66 yd ³	610 mm	24"	824 kg	1,817 lb	●	
	0.67 m ³	0.88 yd ³	762 mm	30"	939 kg	2,071 lb	●	
	0.85 m ³	1.11 yd ³	914 mm	36"	1061 kg	2,340 lb	○	
	1.02 m ³	1.34 yd ³	1067 mm	42"	1161 kg	2,559 lb	□	
	1.20 m ³	1.57 yd ³	1219 mm	48"	1293 kg	2,850 lb	○	

For best PC210LCi-11 semi-automatic machine control performance, observe maximum attachment weight:

- 1600 kg **3,528 lb** maximum for 2925 mm **9'7"** standard arm assembly

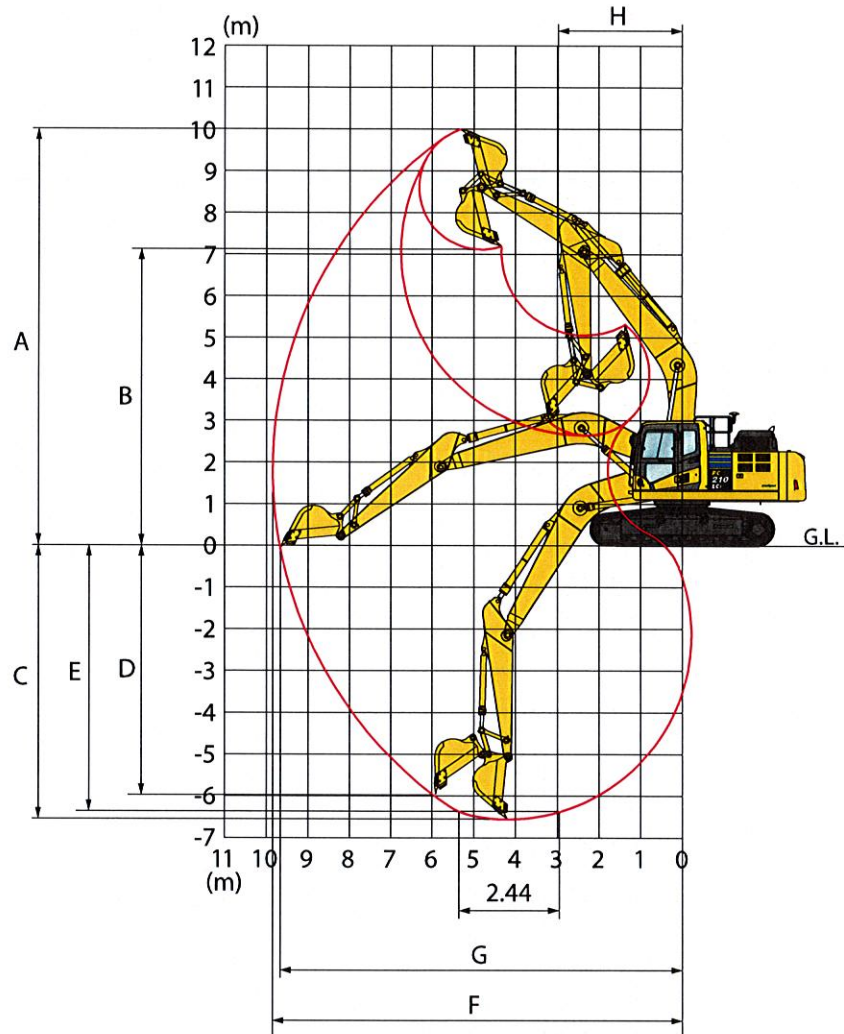
Exceeding recommended attachment weights may negatively impact performance and accuracy of semi-automatic function.

- - Used with material weights up to 3,500 lb/yd³ - Quarry/rock/high abrasion applications
- - Used with material weights up to 3,000 lb/yd³ - Tough digging applications
- - Used with material weights up to 2,500 lb/yd³ - General construction
- - Used with material weights up to 2,000 lb/yd³ - Light materials applications
- X - Not useable

SPECIFICATIONS



WORKING RANGE



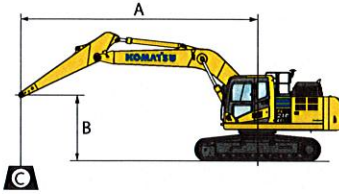
	Arm Length	2925 mm	9'7"
A	Max. digging height	9970 mm	32'9"
B	Max. dumping height	7110 mm	23'4"
C	Max. digging depth	6620 mm	21'9"
D	Max. vertical wall digging depth	5980 mm	19'7"
E	Max. digging depth for 8' level bottom	6370 mm	20'11"
F	Max. digging reach	9875 mm	32'5"
G	Max. digging reach at ground level	9700 mm	31'10"
H	Min. swing radius	3040 mm	10' 0"
SAE rating	Bucket digging force at power max.	132 kN 13500 kg / 29,762 lb	
	Arm crowd force at power max.	103 kN 10500 kg / 23,149 lb	
ISO rating	Bucket digging force at power max.	149 kN 15200 kg / 33,510 lb	
	Arm crowd force at power max.	108 kN 11000 kg / 24,251 lb	

PG210LG-11 / PG210LGH-11

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊙: Rating at maximum reach

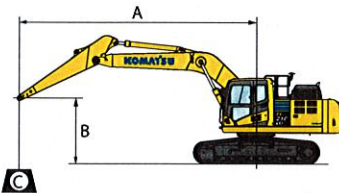
- Conditions:
- 5700 mm 18' 8" one-piece boom
 - Counterweight: 4370 kg 9,634 lb
 - Bucket: None
 - Lifting mode: On

Arm: 2900 mm 9'7" HD		Bucket: None				Shoes: 700 mm 28"				Unit: kg lb			
B	A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m	6.0 m											* 4100	* 4100
25'	20'											* 9100	* 9100
6.1 m	7.2 m							* 6550	6100			* 3850	* 3850
20'	24'							* 14400	13500			* 8500	* 8500
4.6 m	7.9 m							* 7200	5950	* 5250	4300	* 3800	* 3800
15'	26'							* 15850	13200	* 11600	9500	* 8450	* 8450
3.0 m	8.3 m			* 12850	* 12850	* 10350	8650	* 8250	5750	6200	4200	* 3950	3700
10'	27'			* 28300	* 28300	* 22850	19100	* 18200	12700	13650	9300	* 8700	8250
1.5 m	8.4 m					* 12550	8150	8400	5550	6050	4100	* 4200	3600
5'	27'					* 27700	18050	18500	12200	13400	9050	* 9350	8000
0 m	8.1 m			* 7450	* 7450	12850	7900	8200	5350	6000	4000	* 4750	3700
0'	27'			* 16500	* 16500	28300	17450	18100	11850	13200	8900	* 10500	8150
-1.5 m	7.6 m			* 12000	* 12000	12750	7800	8150	5300	* 5850	4000	* 5650	4000
-5'	25'			* 26500	* 26500	28100	17300	17950	11700	* 12950	8850	* 12550	8800
-3.0 m	6.7 m			* 18500	14950	12800	7900	8150	5350			7100	4700
-10'	22'			* 40850	33000	28250	17400	18050	11800			15650	10400
-4.6 m	5.3 m			* 14950	* 14950	* 10650	8100					* 8900	6650
-15'	17'			* 32950	* 32950	* 23500	17850					* 19700	14700

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.



LIFTING CAPACITY WITH LIFTING MODE



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊙: Rating at maximum reach

- Conditions:
- 5700 mm 18' 8" one-piece boom
 - Counterweight: 4370 kg 9,634 lb
 - Bucket: None
 - Lifting mode: On

Arm: 2900 mm 9'7" HD		Bucket: None				Shoes: 800 mm 31.5"				Unit: kg lb			
B	A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m	6.0 m											* 4100	* 4100
25'	20'											* 9100	* 9100
6.1 m	7.2 m							* 6550	6150			* 3850	* 3850
20'	24'							* 14400	13650			* 8500	* 8500
4.6 m	7.9 m							* 7200	6050	* 5250	4350	* 3800	* 3800
15'	26'							* 15850	13300	* 11600	9600	* 8450	* 8450
3.0 m	8.3 m			* 12850	* 12850	* 10350	8750	* 8250	5800	6250	4250	* 3950	3750
10'	27'			* 28300	* 28300	* 22850	19250	* 18200	12850	13800	9400	* 8700	8300
1.5 m	8.4 m					* 12550	8250	8500	5600	6150	4160	* 4200	3650
5'	27'					* 27700	18250	18700	12350	13550	9150	* 9350	8050
0 m	8.1 m			* 7450	* 7450	12950	8000	8300	5450	6050	4050	* 4750	3700
0'	27'			* 16500	* 16500	28600	17650	18300	12000	13350	9000	* 10500	8250
-1.5 m	7.6 m			* 12000	* 12000	12850	7900	8200	5350	* 5850	4050	* 5650	4050
-5'	25'			* 26500	* 26500	28400	17450	18150	11850	* 12950	8950	* 12550	8900
-3.0 m	6.7 m			* 18500	15100	12950	7950	8250	5400			7150	4750
-10'	22'			* 40850	33350	28550	17600	18250	11900			15850	10500
-4.6 m	5.3 m			* 14950	* 14950	* 10650	8150					* 8900	6700
-15'	17'			* 32950	* 32950	* 23500	18050					* 19700	14850

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.



STANDARD EQUIPMENT

- 3 Speed travel with Auto shift
- Alternator, 90 Ampere, 24V ✓
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auto idle
- Auto Idle Shutdown (programmable)
- Lever lock Auto-lock
- Auxiliary input (3.5 mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valves
- Carrier rollers (2 each side)
- Converter, (2) x 12V ✓
- Counterweight, 4370 kg **9,634 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-3
- Extended work equipment grease interval
- Fan guard structure
- Fuel system pre-cleaner 10 micron
- High back air suspension seat, with heat
- Hydraulic track adjusters
- KOMTRAX® Level 5.0
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1
- Operator Identification System
- Pattern change valve (ISO to BH control)
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame deck guard
- Revolving frame undercovers
- ROPS cab
- Seat belt, retractable, 76 mm **3"**
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 800 mm **31.5"**
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Track frame swivel guard
- Travel alarm
- Working lights, 2 (boom and RH front)
- Working mode selection system



OPTIONAL EQUIPMENT

- Additional front working lights, 2 cab roof lights
- Arm
 - 2925 mm **9'7"** HD arm assembly
 - 2925 mm **9'7"** HD arm assembly with piping
- Boom
 - 5700 mm **18'8"** HD boom assembly
 - 5700 mm **18'8"** HD boom assembly with piping
- Cab guards
 - Full front guard, OPG Level 1
 - Full front guard, OPG Level 2
 - Bolt-on top guard, OPG Level 2
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Komvision
- Rain visor
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 700 mm **28"**
- Straight travel pedal
- Sun visor
- Track roller guards, full length



ATTACHMENT OPTIONS

- ATB IMU, field install kit
- Cab air pre-cleaner
- Hydraulic couplers
- Hydraulic kits, field installed
- Komvision, field install kit
- Super long fronts
- PSM thumbs
- Rockland thumbs
- Vandalism protection guards with storage box

For a complete list of available attachments, please contact your local Komatsu distributor.

EN-PC210LCi-11BR02-0121-V1

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AD01 Electronic View Only (EVO)

01/21 (EV-1)

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Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.

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PG210LCG-11 / PG210LCG-11

Extended Coverage Agreement

This _____ Extended Coverage Agreement is entered into as of the following date- _____
between _____, having an office at _____ ("Distributor"),
and _____, having an office at _____ ("Customer").

1. Coverage:

- a. Subject to the terms and conditions below, Distributor will provide parts, labor and other services required to correct failures to certain components ("Covered Items") on _____, _____ ("Machine") that occur as a result of a defect in material or workmanship. The repairs executed to correct these defects will return the Machine to its operating condition prior to the covered failure. Each claim occurrence is subject to a \$0 _____ Deductible.
- b. The Machine will be eligible for this coverage starting at _____ (MM/DD/YYYY) and expiring the earlier of the date when the Machine has accumulated _____ SMR hours or _____ MM/DD/YYYY. The phrase "SMR hours" represent the engine run time for the Machine and are measured using the hour meter or monitor panel installed in the Machine's operator cab.
- c. The Covered Items for this Machine are identified by a checkmark under the Coverage Type ("Coverage Type") column of attached Appendix 1.

2. Exclusions and Limitations:

The obligations of Distributor under this Agreement will not include:

- a. Repairs or replacements of:
 - i. Hose and tube flange o-rings and gaskets.
 - ii. Hoses after the Machine has been in service for 24 months or 4000 SMR hours.
 - iii. Hydraulic cylinder packing replacements after the Machine has been in service for 5,000 SMR hours.
 - iv. Starters, alternators, thermostats, belt tensioners, injectors, turbochargers, DPF, HC and DEF dosing nozzles, and water pumps after the Machine has been in service for 5,000 SMR hours.
 - v. Covered Items that are worn because of use. Examples of wear resulting from use would include, by way of example but not limitation, oil consumption and high blow-by pressure on engines, hydraulic cylinder seal leaks, wear of clutch or brake packs, pins or bushings, etc.
 - vi. Machine parts that are not procured from or an authorized distributor.
 - vii. Machine attachments, optional extras and other work equipment such as buckets, dump bodies, blades, and associated wear packages such as teeth, cutting edges, and liners.
 - viii. Any Machine part or component not specifically included within the scope of the Coverage Type, unless otherwise noted.
- b. Operating expenses on Covered Items required to keep the Machine in good operating condition and repair, including by way of example but not limitation:
 - i. System adjustments.
 - ii. Cleaning and calibration/re-calibration of intelligent Machine Control components (unless re-calibration is required due to the repair or replacement of a covered intelligent Machine Control component).
 - iii. Hardware, Software, or Firmware updates.
 - iv. Cosmetic damage that does not impact product functionality.
 - v. Scheduled maintenance outlined in the Machine Operation and Maintenance Manual ("O&M Manual"), including the cost of periodic maintenance items such as filters, lubricants, brushes, grease, and A, B, C and D checks on engines.
 - vi. Manufacturer oil wear analysis including the cost of drawing samples, oil, sampling accessories, postage and analysis report fees.

- vii. The cost of carrying out maintenance recommendations such as early re-sampling and/or replacement of oil or filters.
- viii. As needed maintenance items such as repairs or replacements of mounting hardware, including bolts, nuts, pins, bushings, and bearings, paint, windshield wiper blades, seat belt assemblies, air cleaners, belts, light bulbs, batteries, cables, fuses, tires, track link assemblies, track shoes, idlers, rollers, sprockets, rock guards and deflectors.
- ix. Cost of carrying out scheduled structural inspections that are required to maintain coverage for certain Covered Items for Frame and Boom & Arm Coverage Types. If you wish to perform these inspections yourself, please obtain a copy of the Distributor Inspection Worksheet from your local distributor.

c. Machine or Covered Item failures resulting from:

- i. Operating the Machine outside the guidelines specified in O&M Manual.
- ii. Operating the Machine outside of the parameters specified in the Machine specific Payload Policy or other notices or letters from Distributor or Manufacturer.
- iii. Noncompliance with the maintenance schedule and procedure outlined in the Machine's O&M manual.
- iv. Fuel, lubricant or coolant contamination from any source.
- v. Continuing to operate the machine when oil sample reports or monitor system panels show critical system errors, indicate that components are compromised by failures or are performing below specifications when the Distributor has requested that components be repaired or removed from the machine because of an impending failure, authorized field campaign or other good cause.
- vi. Improper Machine storage procedures.
- vii. Incomplete or faulty repair procedures on previous repairs completed by any person other than Distributor.
- viii. Improper Initialization procedures during Machine commissioning if the commissioning process was carried out by any person other than Distributor.
- ix. Machine attachments options, accessories, modifications, or work equipment not authorized in O&M Manual and other materials published by Manufacturer for distributors and customers or otherwise approved in writing and signed by an engineering officer of the Manufacturer.
- x. Work site hazards or falling objects.
- xi. Fire, accidents, vandalism, theft, acts of terrorism or war, acts of nature or other causes beyond the direct control of Distributor.
- xii. Misuse, misapplication, negligence or other misconduct on the part of Customer or any other person.

d. Customer may be responsible for paying for the following specific expenses related to repairs on Covered Items:

- i. Transporting the Machine to a Distributor facility for completion of a covered repair and transporting the Machine back to the Machine's work location after completion of the covered repair.
- ii. Overtime labor charges incurred at the request of Customer to complete repairs outside of the Distributor's normal working hours.
- iii. Additional services performed at the Customer's request outside the scope of the Coverage Time, including, by way of example but not limitation, replacing parts and components outside such scope during the course of performing a repair on a Covered Item.
- iv. Any deductible as noted in section 1 of this document.

3. Customer Responsibilities:

The obligations of Distributor under this Agreement are subject to and conditioned by the Customer's timely performance of the following, at their own expense:

- a. Operate, maintain, store, repair and otherwise use the Machine per the guidelines specified in the O&M Manual, Machine specific Payload Policy and all other notices or letters from Distributor or Manufacturer concerning such topics.
- b. Maintain the Machine Monitoring Systems in good operating condition and repair.
- c. Carry out structural inspections for Machines with Frame or Boom & Arm Coverage Types utilizing the Distributor Inspection Worksheets as follows:
 - For the first 10,000 SMR hours on the Machine, a structural inspection will be completed every 5,000 Machine SMR hours or every 12 months, whichever comes first;
 - After the first 10,000 SMR hours on the Machine, a structural inspection will be completed every 2000 Machine SMR hours or 12 months thereafter, whichever comes first.
- d. Notify Distributor promptly in the event of failure of a Covered Item. In the event that the Machine is located outside of the Distributor territory at the time of a Covered Item failure, Customer can contact the local distributor to carry out the covered repair.

4. Distributor Responsibilities:

- a. Distributor will exercise commercially reasonable efforts to respond promptly to any Customer requests and questions related to this Agreement.
- b. Distributor will carry out covered repairs during normal Distributor working hours.

5. Transferability:

This Agreement is specific to the Machine listed in Section 1. Customer may not assign its right under this Agreement without the prior written consent of Distributor (such consent not to be unreasonably withheld).

6. Limitation of Liability:

Except as expressly provided in this Agreement and in any written warranty certificate delivered by Distributor to Customer in connection with a purchase, Distributor does not make any representations or warranties, expressed, implied, arising by operation of law or otherwise, as to merchantability, fitness for a particular purpose, quality, design, condition, suitability, performance or any other matter or characteristic with respect to the Machine and any related attachments, options, accessories, modifications, or work equipment. For any failure within the scope of the Coverage Type, Customer agrees that its sole and exclusive remedy will be for Distributor to perform the required repair. Distributor will not be liable under any circumstance to Customer for, and Customer waives and releases Distributor from all claims and liabilities for, any general, special, incidental, punitive, consequential, exemplary or any other damages of whatever kind or nature suffered or incurred by consignee, directly or indirectly, actual or alleged, whether arising in tort or in contract or otherwise, related to or arising out of this Agreement and the Machines and any related attachments, options, accessories, modifications, or work equipment.

Agreed to by Customer and Distributor as of the Effective Date.

DISTRIBUTOR:

CUSTOMER:

By:

By:

Name:

Name:

Title:

Title:

COVERED ITEMS

COVERED ITEMS	PREMIER							COVERAGE TYPES				
	PT Plus	PT	ENGINE	CYLINDER	FRAME	BOOM/ARM	FRAME INSPECTION					
B) POWER TRANSMITTING SYSTEM												
• TRANSMISSION												
1. TRANSMISSION AND TORQUE CONVERTORS	✓	✓										
2. TORQUE FLOW ASSEMBLY/POWER MODULE	✓	✓										
3. HYDROSTATIC PUMPS AND MOTORS	✓	✓										
4. CONTROL AND PPC VALVES	✓	✓										
5. OIL COOLERS, TANKS, AND RESERVOIRS	✓	✓										
6. OIL FILTER MOUNT	✓	✓										
7. ELECTRONIC CONTROL MODULE	✓	✓										
8. SENDERS, SOLENOIDS, AND SENSORS	✓	✓										
9. STEERING AND TRANSFER CASES	✓	✓										
10. DAMPER	✓	✓										
11. SWING GEAR BOX	✓	✓										
12. PIPES, TUBES, CLAMPS, AND HOSES*	✓	✓										
• DRIVE LINE												
1. AXLES AND AXLE HOUSINGS	✓	✓										
2. AXLE MOUNTING AND OSCILLATION	✓	✓										
3. DIFFERENTIALS AND FINAL DRIVES	✓	✓										
4. WHEEL/RIM	✓	✓										
5. DRIVE SHAFT/AXLE SHAFT AND UNIVERSAL JOINTS	✓	✓										
6. VALVES	✓	✓										
7. PIPES, TUBES, CLAMPS, AND HOSES*	✓	✓										
C) STEERING <i>(eligibility under the PT coverage type applies to track machines only)</i>												
1. STEERING CLUTCH	✓	✓										
2. STEERING CLUTCH & BRAKE CONTROL VALVE	✓	✓										
3. STEERING PUMP AND EMERGENCY STEERING PUMP	✓	✓										
4. STEERING OIL COOLER	✓	✓										
5. STEERING VALVES	✓	✓										
6. STEERING BOX	✓	✓										
7. STEERING LINKAGE, COLUMN, AND CONSOLE	✓	✓										
8. TIE ROD	✓	✓										
9. SENDERS, SOLENOIDS, AND SENSORS	✓	✓										
10. PIPES, TUBES, CLAMPS, AND HOSES*	✓	✓										
D) BRAKING SYSTEM												
1. BRAKE PRIMARY & SECONDARY CYLINDERS	✓	✓										
2. BRAKE PUMP AND EMERGENCY BRAKE PUMP	✓	✓										
3. WET BRAKE ASSEMBLIES	✓	✓										
4. BRAKE OIL COOLER ASSEMBLIES	✓	✓										
5. BRAKE OIL COOLER FAN, PUMP, AND MOTOR	✓	✓										
6. BRAKE CALIPER	✓	✓										
7. ACCUMULATORS	✓	✓										
8. TANKS & RESERVOIRS	✓	✓										
9. ELECTRONIC CONTROL MODULES	✓	✓										
10. SENDERS, SOLENOIDS, AND SENSORS	✓	✓										
11. PIPES, TUBES, CLAMPS, VALVES AND HOSES*	✓	✓										
E) COOLING SYSTEM												
1. RADIATOR	✓	✓										
2. EXPANSION TANK	✓	✓										
3. THERMOSTAT**	✓	✓										
4. COOLING FAN, FAN DRIVE, AND SHROUDDING	✓	✓										
5. WATER PUMPS**	✓	✓										
6. SENDERS, SOLENOIDS, AND SENSORS	✓	✓										
7. PIPES, TUBES, CLAMPS, VALVES AND HOSES*	✓	✓										

COVERED ITEMS

COVERED ITEMS	COVERAGE TYPES							
	PREMIER	PT Plus	PT	ENGINE	CYLINDER	FRAME	BOOM/ARM	FRAME INSPECTION
E) HYDRAULIC SYSTEMS								
1. NON-PROPULSION HYDRAULIC PUMPS & MOTORS	✓	✓						
2. HYDRAULIC CYLINDERS	✓	✓		✓				
3. HYDRAULIC VALVE & CONTROLS	✓	✓						
4. ELECTRONIC CONTROL MODULES	✓	✓						
5. HYDRAULIC ACCUMULATORS	✓	✓						
6. HYDRAULIC COOLERS AND COOLING FANS	✓	✓						
7. SWIVELS (ROTARY MANIFOLDS)	✓	✓						
8. SWING MOTOR	✓	✓						
9. HYDRAULIC COIL FILTER ASSEMBLY	✓	✓						
10. HYDRAULIC TANKS	✓	✓						
11. SENDERS, SOLENOIDS, AND SENSORS	✓	✓						
12. PIPES, TUBES, CLAMPS, VALVES AND HOSES*	✓	✓						
F) SUSPENSION								
1. ELECTRONIC CONTROL MODULE	✓	✓						
2. SUSPENSION CYLINDERS AND CONTROL VALVES	✓	✓			✓			
3. SUSPENSION CONTROL ARM ASSEMBLIES	✓	✓						
4. SENDERS, SOLENOIDS, AND SENSORS	✓	✓						
5. PIPES, TUBES, CLAMPS, VALVES, AND HOSES*	✓	✓						
H) ELECTRICAL SYSTEM								
1. GAUGES & INSTRUMENTS	✓	✓						
2. WIRING HARNESSSES	✓	✓						
3. SWITCHES	✓	✓						
4. RELAYS & CIRCUIT BREAKERS	✓	✓						
5. START SWITCH	✓	✓						
6. FUSE / CIRCUIT BREAKER PANEL & CIRCUIT BOARD	✓	✓						
7. MONITOR PANELS	✓	✓						
8. KOMTRAX, VIBRS, AND PLM (PAYLOAD METER)	✓	✓						
9. ELECTRONIC CONTROLLERS	✓	✓						
10. AIR INTAKE HEATERS AND GLOW PLUGS	✓	✓						
11. SENDERS, SOLENOIDS, AND SENSORS	✓	✓						
I) FRAMES, STRUCTURAL & LINKAGES								
1. BOOM/ARM	✓	✓					✓	✓
2. BELL CRANK AND Z BEAR ON WHEEL LOADERS	✓	✓					✓	✓
3. CAR BODY	✓	✓						✓
4. STEEL FRAME (FRONT, REAR, SUB) / REVOLVING FRAME	✓	✓				✓		✓
5. STEEL OF OUTRIGGER ON BACKHOE LOADERS	✓	✓				✓		✓
6. MOTOR GRADER CIRCLE	✓	✓				✓		✓
J) UNDERCARRIAGE RELATED PARTS								
1. BOGIE ASSEMBLIES	✓	✓						
2. EQUALIZER BAR	✓	✓						
3. H.U.C. ASSEMBLIES	✓	✓						
4. PIVOT SHAFT ASSEMBLY	✓	✓						
5. RECOIL SPRINGS	✓	✓						
6. TRACK ADJUSTERS	✓	✓						
7. TRACK ROLLER FRAME	✓	✓						
K) HYBRID SYSTEMS								
1. CAPACITOR/INVERTER	✓	✓						
2. GENERATOR/MOTOR	✓	✓						
3. HYBRID CONTROLLER	✓	✓						
4. LUBRICATION PUMP	✓	✓						
5. RADIATOR	✓	✓						
6. SWING MOTOR	✓	✓						
7. WATER PUMP**	✓	✓						
8. WIRING HARNESS	✓	✓						
L) INTELLIGENT MACHINE CONTROL SYSTEM								
1. GNSS AND GPS ANTENNAS, GNSS RECEIVER/CONTROLLER, GNSS	✓	✓						
2. CONTROL BOX AND ICI CONTROLLER	✓	✓						
3. IM MONITOR	✓	✓						
4. SENSORS AND ENCODERS	✓	✓						

* Premier Coverage Type includes items in addition to the above list, and is subject only to the limitations listed in Section 2 of this agreement. ** Indicates coverage for 24mo/4000 hours

Indicates coverage through the first 5000 hour

Information Required for the E-Verify Program	
Information relating to your Company:	
Company Name	Tractor & Equipment Co Inc
Company Facility Address	5336 Messer Airport Highway Birmingham, AL 35212
Company Alternate Address	PO Box 12326 Birmingham, AL 35202
County or Parish	Jefferson
Employer Identification Number	63-0211767
North American Industry Classification Systems Code	Merchant Wholesalers, Durable Goods (423)
Parent Company	
Number of Employees	500 to 999
Number of Sites Verified for	22