

# PC210LC

### NET HORSEPOWER

118 kW @ 2000rpm

### OPERATING WEIGHT

22203–23603 kg

### BUCKET CAPACITY

0.50–1.20 m<sup>3</sup>



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

PC210LC

# WALK-AROUND

PC210LC-G-10



Photos may include optional equipment

Courtesy of Machine.Market

# PC210LC-10

## Tier 4 Interim Engine

**NET HORSEPOWER**  
158 HP @ 2000rpm  
118 kW @ 2000rpm

**OPERATING WEIGHT**  
48,950–52,036 lb  
22203–23603 kg

**BUCKET CAPACITY**  
0.66–1.57 yd<sup>3</sup>  
0.50–1.20 m<sup>3</sup>



## FAST CYCLE TIMES & LOW FUEL CONSUMPTION

**Komatsu's Closed Center Load Sensing (CLSS)** hydraulic system provides quick response and smooth operation to maximize productivity.

**New engine and hydraulic pump control technology** improves operational efficiency and lowers fuel consumption.

**A powerful Komatsu SAA6D107E-2 engine** provides a net output of 118 kW **158 HP**. This engine is EPA Tier 4 Interim and EU stage 3B emissions certified.

**Komatsu Variable Geometry Turbocharger (KVGT)** uses a hydraulic actuator to provide optimum air flow under all speed and load conditions.

**Komatsu Diesel Particulate Filter (KDPF)** captures 90% of particulate matter and provides automatic regeneration that does not interfere with daily operation.

**Large displacement high efficiency pumps** provide higher flow output and efficient operation.

**Enhanced working modes** are designed to match engine speed, pump delivery, and system pressure to the application.

**Increased drawbar pull** provides improved steering and maneuverability.

### Large LCD color monitor panel:

- 7" high resolution screen
- Provides "Eco-Guidance" for fuel efficient operation
- Enhanced attachment control

### Rearview monitoring system (standard)

### Equipment Management Monitoring System (EMMS)

continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

### Enhanced working environment

- High back, heated, and air suspension operator seat
- Integrated ROPS cab design (ISO 12117-2)
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard (ISO 10262)

### Komatsu designed and manufactured components



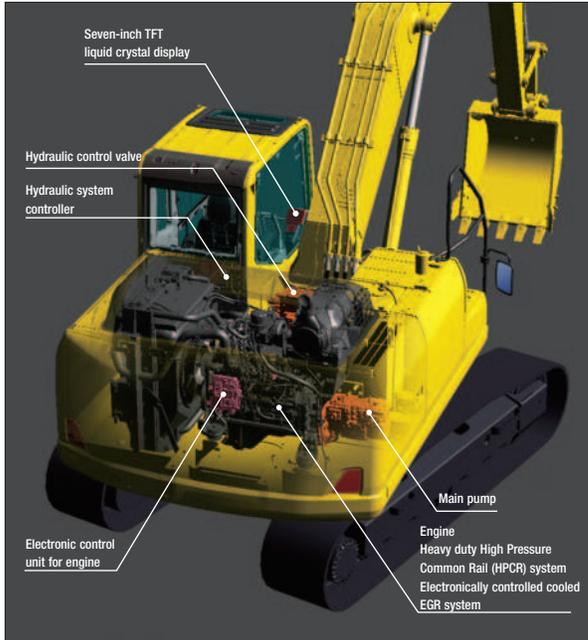
**Guardrails (standard)** located on the machine upper structure provide a convenient work area in front of the engine.

**Battery disconnect switch** allows a technician to disconnect the power supply before servicing the machine.

**Standard 10,406 lb (4720 kg) counterweight** provides the same lifting performance as the PC200LC-8 (optional **7,937 lb** 3600 kg counterweight is available).

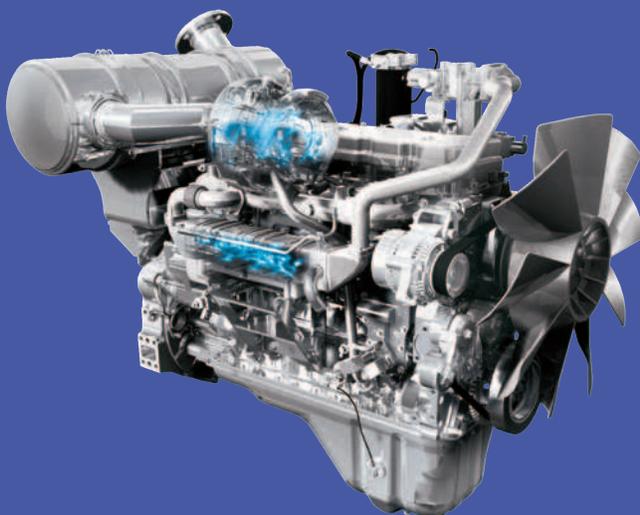
## KOMTRAX®

Komtrax equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.



**Advanced Electronic Control System**

The engine control system has been upgraded to effectively manage the air flow rate, EGR gas flow rate, fuel injection parameters, and aftertreatment functions. The new control system also provides enhanced diagnostic capabilities.



**Environment-Friendly Engine**

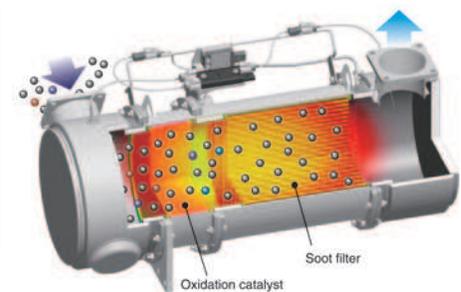
The Komatsu SAA6D107E-2 engine is EPA Tier 4 Interim and EU Stage 3B emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces exhaust gas particulate matter (PM) by more than 90% and nitrogen oxides (NOx) by more than 45% when compared to Tier 3 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.

**Komatsu Diesel Particulate Filter (KDPF)**

Komatsu has developed a high efficiency diesel particulate filter that captures more than 90% of particulate matter. Both passive and active regeneration are automatically initiated by the engine controller depending on the soot level of the KDPF. A special oxidation catalyst with a fuel injection system is used to oxidize and remove particulate matter while the machine is running so the regeneration process will not interfere with daily operation.

The operator can also initiate regeneration manually or disable regeneration depending on the work environment.



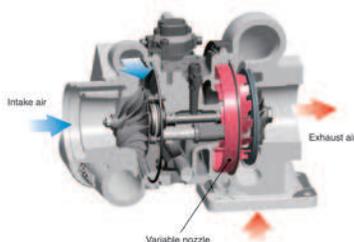
**Closed Crankcase Ventilation (CCV)**

Crankcase emissions (blow-by gas) are passed through a CCV filter. The CCV filter traps oil mist which is returned back to the crankcase while the gas, which is almost oil mist free, is fed back to the air intake.



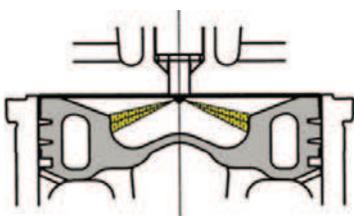
## Komatsu Variable Geometry Turbocharger (KVG T)

Using Komatsu proprietary technology, a newly designed variable geometry turbocharger with a hydraulic actuator is used to manage and deliver optimum air flow to the combustion chamber under all speed and load conditions. The robust hydraulic actuator provides power and precision, resulting in cleaner exhaust gas and improved fuel economy while maintaining performance.



## Redesigned Combustion Chamber

The combustion chamber located at the top of the engine piston has a new shape designed to improve combustion and further reduce NOx, PM, fuel consumption, and noise levels.

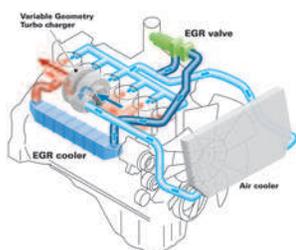


## Low Operational Noise

The PC210LC-10 provides low noise operation using a low noise engine and methods that reduce noise at the source such as sound absorbing materials.

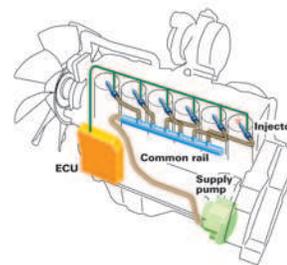
## Cooled Exhaust Gas Recirculation (EGR)

Cooled EGR, a technology that has been well proven in Komatsu Tier 3 engines, reduces NOx emissions to meet Tier 4 levels. The hydraulically actuated EGR system has increased capacity and uses larger and more robust components to ensure reliability for demanding work conditions.



## Heavy Duty High Pressure Common Rail (HPCR) Fuel Injection System

The heavy duty HPCR system is electronically controlled to deliver a precise quantity of pressurized fuel into the combustion chamber using multiple injection events to achieve complete fuel burn and reduce exhaust gas emissions. Fuel injector reliability has been improved by using ultra-hard wear resistant materials.



## Large Digging Force

The PC210LC-10 is equipped with the Power Max system. This function temporarily increases digging force for 8.5 seconds of operation.

### Maximum arm crowd force (ISO):

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

### Maximum bucket digging force (ISO):

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

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



### Efficient Hydraulic System

The PC210LC-10 uses a Closed Center Load Sensing (CLSS) hydraulic system that improves fuel efficiency and provides quick response to the operator's demands.

The PC210LC-10 also introduces new technology to enhance the engine and hydraulic pump control. This total control system matches the engine and hydraulics at the most efficient point under any load condition. There have also been improvements in the main valve and hydraulic circuit to reduce hydraulic loss, resulting in higher efficiency and lower fuel consumption.

**Reduced Up To 10% Fuel consumption**

vs PC200LC-8  
Based on typical work pattern collected via KOMTRAX

### Large Displacement High Efficiency Pump

Pump displacement has been increased, providing increased flow output as well as operation at the most efficient engine speed.



### Idling Caution

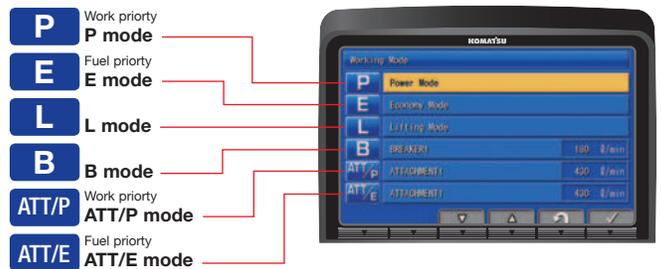
To reduce unnecessary fuel consumption, an idling caution is displayed on the monitor if the engine idles for 5 minutes or more.



### Working Mode Selection

The PC210LC-10 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 PC210LC-10 features a new mode (ATT/E) which allows operators to run attachments while in Economy mode.

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



### Lifting Mode

When the Lifting mode is selected, the lift capacity is increased 7% by raising the hydraulic pressure.

### Eco-Gauge Assists with Energy Saving Operations

The Eco-gauge and new fuel consumption gauge are viewed on the right side of the color monitor and assist the operator in maintaining low fuel consumption and environment friendly operation.



Fuel consumption gauge Eco-gauge

## RELIABILITY FEATURES

### 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.



### Komatsu Designed Components

All of the major machine components such as the engine, hydraulic pumps, hydraulic motors, and control valves are exclusively designed and manufactured by Komatsu.

### High Efficiency Fuel Filter

A new high efficiency dual element fuel filter improves fuel system reliability.



### Equipped with a Fuel Pre-filter (With Water Separator)

A fuel pre-filter removes water and contaminants in the fuel to increase reliability. For convenience, the fuel pre-filter has a built in priming pump.



### O-Ring Face Seals

Flat face-to-face O-ring seals are used to securely seal hydraulic hose connections.

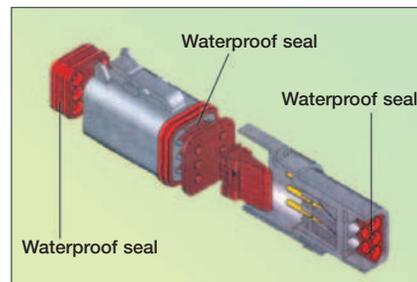


### Durable Frame Structure

The revolving frame, center frame, and undercarriage are designed using the most advanced three dimensional CAD and FEM analysis technology.

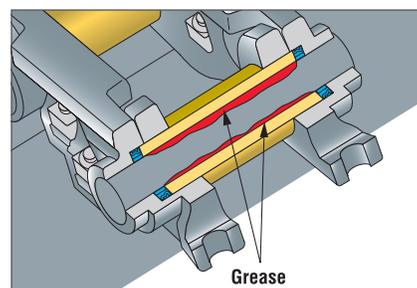
### DT-type Connectors

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



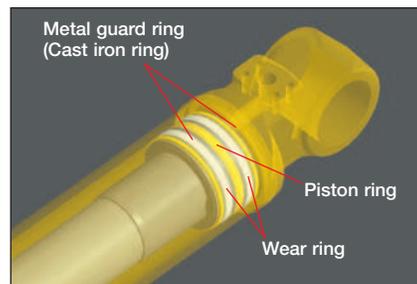
### Grease Sealed Track

The PC210LC-10 uses grease sealed tracks for extended undercarriage life.



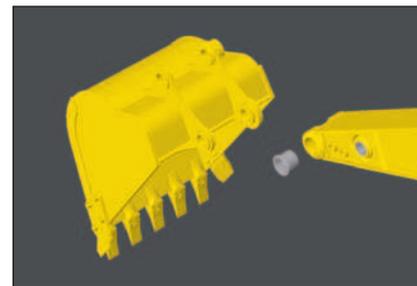
### Metal Guard Rings

The PC210LC-10 uses metal guard rings to protect all of the hydraulic cylinders and improve long term reliability.



### Durable Arm Tip Bushing

The end face of the arm tip bushing provides high resistance to seizure and wear.



### Highly Reliable Electronic Devices

Exclusively designed electronic devices have passed severe testing.

- Controllers
- Sensors
- Connectors
- Heat Resistant Wiring



**Newly Designed Wide Spacious Cab**

The newly designed wide spacious cab features a high back, fully adjustable seat with a reclining backrest. The console and seat have an integrated design so that they move together and provide additional comfort for the operator.

The new higher capacity operator seat has been enhanced to provide more comfort.

- Heated
- Air Suspension
- Integrated Seat
- Console Mounted Arm Rests

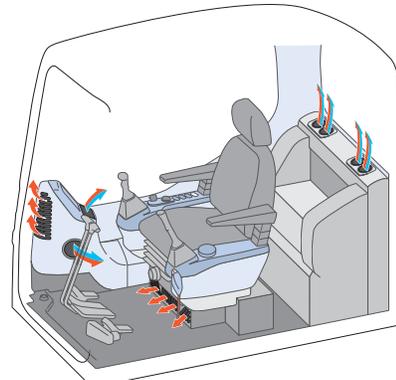


**Low Cab Noise**

The new cab design is highly rigid and has excellent sound absorption ability. By improving noise source reduction and by using a low noise engine, hydraulic equipment, and air conditioner, this machine is able to generate low noise levels similar to that of a modern automobile.

**Automatic Air Conditioner**

The automatic air conditioner allows the operator to easily and precisely set the cab atmosphere using the large LCD color monitor panel. The bi-level control function improves air flow and keeps the inside of the cab comfortable throughout the year.

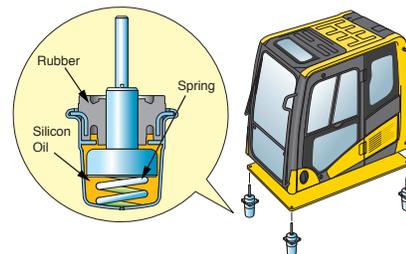


**Pressurized Cab**

The air conditioner, air filter, and a higher internal cab air pressure minimize the amount of external dust that enters the cab.

**Low Vibration with Viscous Cab Mounts**

The PC210LC-10 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.



**Auxiliary Input (MP3 Jack)**

By connecting an auxiliary device such as an MP3 player to the auxiliary input, the operator can hear the sound through the speakers installed in the cab.





Basic operation switches

Function switches

Air conditioner operation switches

## Large High Resolution LCD Monitor Panel

A new large, user-friendly, high resolution LCD color monitor enables accurate and smooth work. Screen visibility and resolution are further improved compared to the previous LCD monitor panel. The switches and function keys are easy to operate and provide simple navigation through the monitor screens.

Data is displayed in 25 languages to support operators around the world.

### Indicators

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| 1 Auto-decelerator               | 5 Hydraulic oil temperature gauge |
| 2 Working mode                   | 6 Fuel gauge                      |
| 3 Travel speed                   | 7 Eco-gauge                       |
| 4 Engine water temperature gauge | 8 Fuel consumption gauge          |
|                                  | 9 Function switches menu          |

### Basic operation switches

- |                         |                     |
|-------------------------|---------------------|
| 1 Auto-decelerator      | 4 Buzzer cancel     |
| 2 Working mode selector | 5 Wiper             |
| 3 Traveling selector    | 6 Windshield washer |

## Operational "ECO" Guidance

The monitor panel provides operational advice to the operator to help improve machine efficiency and lower fuel consumption. The operator can access the ECO guidance menu to check the Operation Records, Eco Guidance Records, and Average Fuel Consumption Logs.



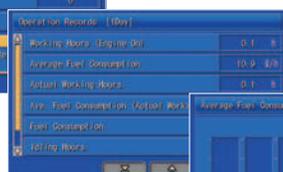
ECO Guidance



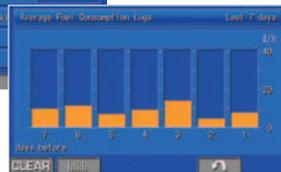
ECO Guidance menu



ECO Guidance Records



Operation Records



Average Fuel Consumption Logs

## Improved Attachment Control

The PC210LC-10 is capable of storing up to ten different attachments in the new monitor panel. The name of each attachment can be changed for better tool management. Hydraulic flow rates can be easily adjusted for one-way and two-way flow attachments.



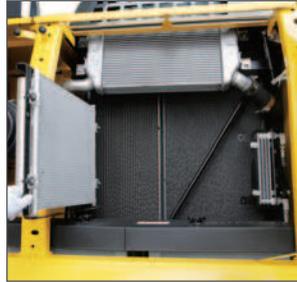
Attachment Setting Screen



Attachment Flow Screen

### Easy Access Coolers

The radiator and oil cooler are side-by-side modules which simplifies cleaning, removing, and installing. The swing out cooler design provides easier access to the cooling cores.



### KDPF Regeneration Notification

The LCD color monitor panel provides the operator with the status of the KDPF regeneration, without interfering with daily operation.

When the machine initiates active regeneration an icon will appear to notify the operator.



### Battery Disconnect Switch

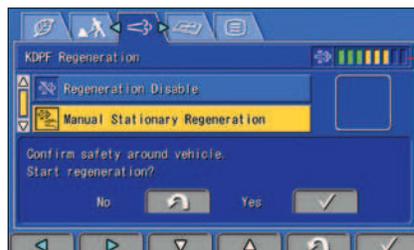
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.



### 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 KDPF.



### 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 (Eco-white element)

Engine oil & Engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours

### Extended Work Equipment Greasing Intervals

Special hard material is used for the work equipment bushings to lengthen the greasing intervals. All work equipment bushing lubrication intervals, except the arm tip and bucket linkage, are 500 hours, reducing maintenance costs.



## Equipped with Eco-drain Valve

Minimizes ground contamination due to oil leakage when replacing the engine oil.



## Equipment Management Monitoring System (EMMS)

The PC210LC-10 features an advanced diagnostic system that continuously monitors the machine's vital systems. EMMS tracks maintenance items, provides advanced troubleshooting tools, reduces diagnostic times, and displays error codes.

Through continuous monitoring, the EMMS helps identify issues before they become worse and allows the operator to concentrate on the work at hand.

## Abnormalities Display with Code

When an abnormality occurs an error code is displayed on the monitor. When an important code is displayed, a caution lamp blinks and warning buzzer sounds to alert the operator to take action.

The monitor also stores a record of abnormalities for more effective troubleshooting.



## Advanced Monitoring System

The monitor provides advanced monitoring diagnostics to assist with troubleshooting and reduce costly downtime.



## Maintenance Tracking

When the machine approaches or exceeds the oil and filter replacement interval, the monitor panel will display lights to inform the operator.



### ROPS Cab Design

The PC210LC-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.



### Guardrails

Guardrails have been added on the upper structure of the machine. This provides additional convenience during engine service.



### Thermal and Fan Guards

Thermal and fan guards are placed around high temperature parts of the engine and fan drive.



### Rear-view Monitoring System (standard)

On the large LCD color monitor the operator can view the image from one camera that will display areas directly behind the machine. An optional 2-camera system is available.



Rear view image on monitor

### Seat Belt Caution Indicator

A warning indicator on the monitor appears when the seat belt is not engaged.



### Lock Lever

When the lock lever is placed in the lock position, all hydraulic controls (travel, swing, boom, arm, and bucket) are inoperable.



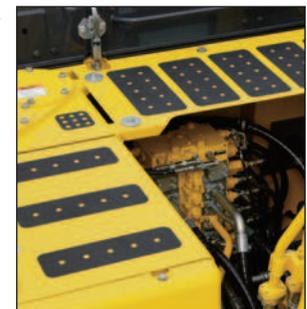
### Secondary Engine Shutdown Switch

A new secondary switch has been added to shutdown the engine.



### Slip Resistant Plates

Durable slip resistant plates maintain excellent foot traction



## KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH  
**KOMTRAX**<sup>®</sup>

### ✓ 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 **aids in making repair or replacement decisions**

### ✓ 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 was done** and help you plan for future maintenance needs

### ✓ WHERE

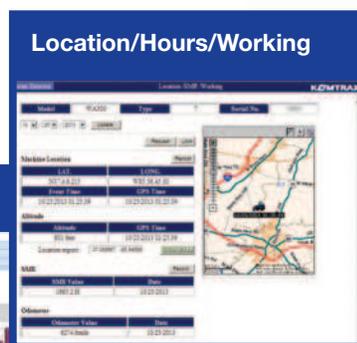
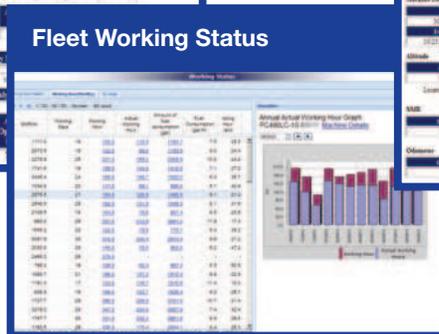
- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

### ✓ 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

### ✓ WHO

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



**KOMTRAX**<sup>®</sup>

For construction and compact equipment.

**KOMTRAX Plus**<sup>™</sup>

For production and mining class machines.



## Komatsu CARE – Complimentary Scheduled Maintenance

- PM services for the earlier of 3 years / 2000 hours
- Performed by factory certified technicians
- Komatsu Genuine parts and fluids
- Significantly lowers your cost of ownership while maintaining high uptime and reliability
- Increases resale value and provides detailed maintenance records
- Extended PM services can be purchased beyond the complimentary period to provide additional peace of mind and maximize uptime



## 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 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 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

## SPECIFICATIONS



### ENGINE

Model..... Komatsu SAA6D107E-2\*  
 Type .....Water-cooled, 4-cycle, direct injection  
 Aspiration..... Turbocharged, aftercooled, cooled EGR  
 Number of cylinders..... 6  
 Bore .....107 mm **4.21"**  
 Stroke .....124 mm **4.88"**  
 Piston displacement.....6.69 ltr **408 in<sup>3</sup>**  
 Horsepower:  
 SAE J1995.....Gross 123 kW **165 HP**  
 ISO 9249 / SAE J1349 .....Net 118 kW **158 HP**  
 Rated rpm..... 2000  
 Fan drive method for radiator cooling..... Mechanical  
 Governor..... All-speed control, electronic  
 \*EPA Tier 4 Interim and EU stage 3B 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/cm<sup>2</sup> **5,400 psi**  
 Travel circuit..... 37.3 MPa 380 kg/cm<sup>2</sup> **5,400 psi**  
 Swing circuit..... 28.9 MPa 295 kg/cm<sup>2</sup> **4,190 psi**  
 Pilot circuit..... 3.2 MPa 33 kg/cm<sup>2</sup> **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 1120 mm x 80 mm **4.5" x 44.1" 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**



### OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 5700 mm **18'8"** one-piece boom, 2925 mm **9'7"** arm, SAE heaped 1.02 m<sup>3</sup> **1.34 yd<sup>3</sup>** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
700 mm	23323 kg	0.43 kg/cm <sup>2</sup>
<b>28"</b>	<b>51,419 lb</b>	<b>6.2 psi</b>
800 mm	23603 kg	0.38 kg/cm <sup>2</sup>
<b>31.5"</b>	<b>52,036 lb</b>	<b>5.5 psi</b>

### Component Weights

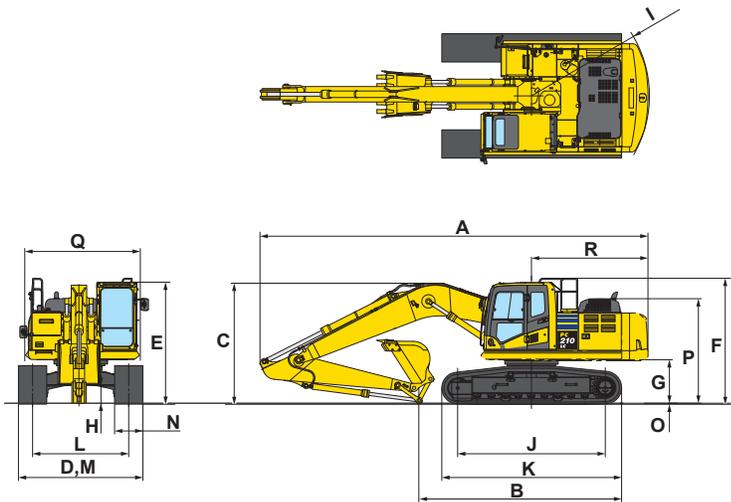
**Arm including bucket cylinder and linkage**  
 2900 mm **9'7"** HD arm assembly ..... 1136 kg **2,505 lb**  
 2900 mm **9'7"** HD arm assembly w/piping..... 1200 kg **2,646 lb**  
**One piece boom including arm cylinder**  
 5700 mm **18'8"** boom assembly..... 1885 kg **4,156 lb**  
 5700 mm **18'8"** HD boom assembly w/piping.. 1953 kg **4,306 lb**  
 Boom cylinders x 2 ..... 205 kg **452 lb**  
 Counterweight (standard) ..... 4720 kg **10,406 lb**  
 Counterweight (optional)..... 3600 kg **7,937 lb**  
 1.02 m<sup>3</sup> **1.34 yd<sup>3</sup>** bucket - 42" width ..... 857 kg **1,890 lb**



## DIMENSIONS

	Arm Length	2925 mm	9'7"
<b>A</b>	Overall length	9625 mm	31'7"
<b>B</b>	Length on ground (transport)	5000 mm	16'5"
<b>C</b>	Overall height (to top of boom)*	2996 mm	9'9"
<b>D</b>	Overall width	3180 mm	10'5"
<b>E</b>	Overall height (to top of cab)*	3045 mm	10'0"
<b>F</b>	Overall height (to top of handrail)*	3135 mm	10'3"
<b>G</b>	Ground clearance, counterweight	1085 mm	3'7"
<b>H</b>	Ground clearance, minimum	440 mm	1'5"
<b>I</b>	Tail swing radius	2940 mm	9'8"
<b>J</b>	Track length on ground	3655 mm	12'0"
<b>K</b>	Track length	4450 mm	14'7"
<b>L</b>	Track gauge	2380 mm	7'10"
<b>M</b>	Width of crawler	3180 mm	10'5"
<b>N</b>	Shoe width	800 mm	31.5"
<b>O</b>	Grouser height	26 mm	1.0"
<b>P</b>	Machine cab height	2605 mm	8'7"
<b>Q</b>	Machine cab width **	2850 mm	9'4"
<b>R</b>	Distance, swing center to rear end	2910 mm	9'7"

\* : Including grouser height  
 \*\* : Including handrail



PC210LC-10



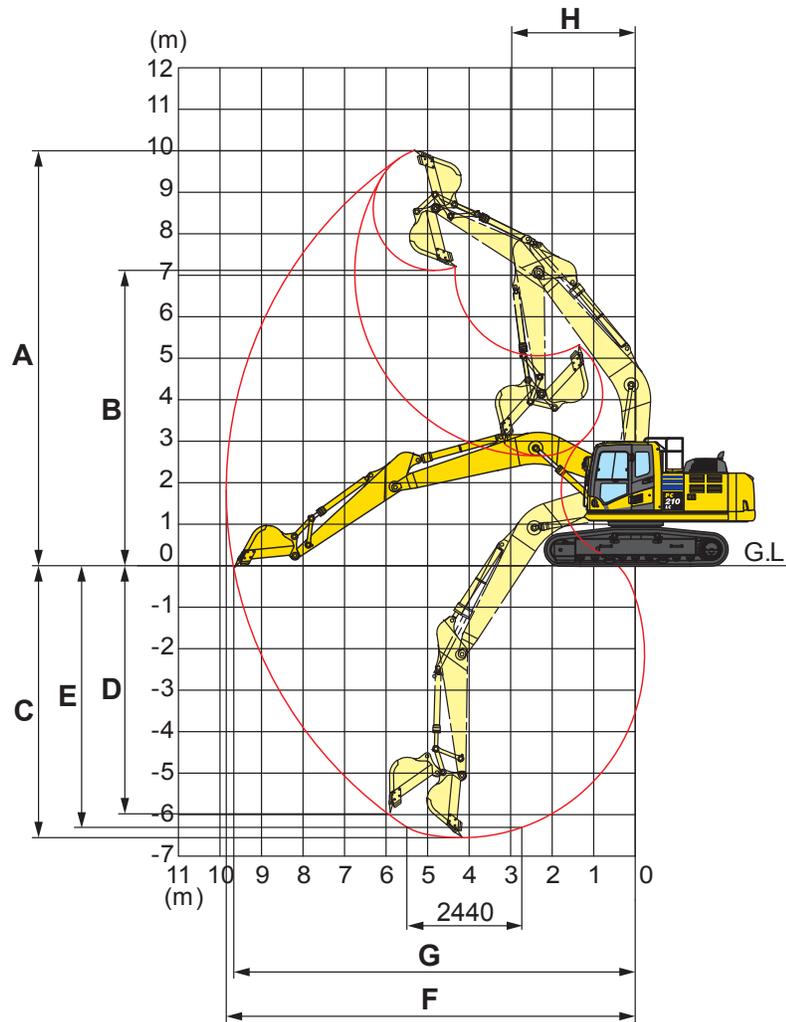
## BACKHOE BUCKET, ARM AND BOOM COMBINATION

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

V - Used with material weights up to 3,500 lb/yd<sup>3</sup>      W - Used with material weights up to 3,000 lb/yd<sup>3</sup>  
 X - Used with material weights up to 2,500 lb/yd<sup>3</sup>      Y - Used with material weights up to 2,000 lb/yd<sup>3</sup>  
 Z - Not useable



## WORKING RANGE

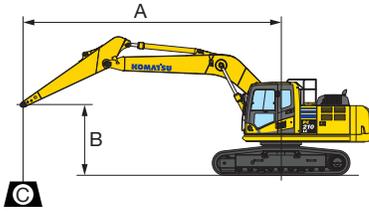


	Arm Length	2925 mm	9'7"
<b>A</b>	Max. digging height	10000 mm	32'10"
<b>B</b>	Max. dumping height	7110 mm	23'4"
<b>C</b>	Max. digging depth	6620 mm	21'9"
<b>D</b>	Max. vertical wall digging depth	5980 mm	19'7"
<b>E</b>	Max. digging depth for 8' level bottom	6370 mm	20'11"
<b>F</b>	Max. digging reach	9875 mm	32'5"
<b>G</b>	Max. digging reach at ground level	9700 mm	31'10"
<b>H</b>	Min. swing radius	3040 mm	10'0"
<b>SAE rating</b>	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	
<b>ISO rating</b>	Bucket digging force at power max.	149 kN	
		15200 kg / 33,510 lb	
	Arm crowd force at power max.	108 kN	
		11000 kg / 24,250 lb	

# LIFT CAPACITIES



## LIFTING CAPACITY WITH LIFTING MODE



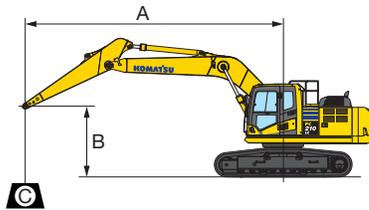
- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗ : Rating at maximum reach

- Conditions :
- 5700 mm 18' 8" one-piece boom
  - Counterweight: 4720 kg 10,406 lb
  - Bucket: None
  - Lifting mode: On

Arm: 2900 mm 9'7" HD Shoes: 700 mm 28" Unit: kg lb

B \ A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 4100	* 4100
6.1 m 20'					* 6500	6000					* 9050	* 9050
4.6 m 15'			* 8000	* 8000	* 7150	5900	* 5250	4200			* 3850	* 3850
3.0 m 10'	* 12800	* 12800	* 10350	8500	* 8250	5650	6100	4150			* 8500	* 8500
1.5 m 5'			* 12250	8050	8250	5450	5950	4050			* 3800	* 3800
0 m 0'	* 7450	* 7450	12650	7800	8100	5300	5900	3950			* 8400	* 8400
-1.5 m -5'	* 12000	* 12000	12550	7750	8000	5250	* 5850	3950			* 3950	3650
-3.0 m -10'	* 26500	* 26500	27750	17100	17700	11550	* 12900	8750			* 8700	8100
-4.6 m -15'	* 18500	14800	12650	7800	8050	5250					* 4200	3550
	* 15000	* 15000	* 10750	8050							* 9300	7900
	* 33100	* 33100	* 23750	17800							* 4750	3650
											* 10450	8050
											* 5650	3950
											* 12500	8700
											7000	4650
											* 8950	6600
											* 19750	14550

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



- 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: 4720 kg 10,406 lb
  - Bucket: None
  - Lifting mode: On

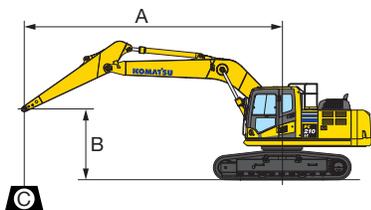
Arm: 2900 mm 9'7" HD Shoes: 800 mm 31.5" Unit: kg lb

B \ A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 4100	* 4100
6.1 m 20'					* 6500	6100					* 9050	* 9050
4.6 m 15'			* 8000	* 8000	* 7150	5950	* 5250	4250			* 3850	* 3850
3.0 m 10'	* 12800	* 12800	* 10350	8600	* 8250	5700	6150	4200			* 8500	* 8500
1.5 m 5'			* 12250	8150	8350	5500	6050	4100			* 3800	* 3800
0 m 0'	* 7450	* 7450	12800	7900	8200	5350	5950	4000			* 3950	3700
-1.5 m -5'	* 12000	* 12000	12700	7800	8100	5300	* 5850	4000			* 8400	* 8400
-3.0 m -10'	* 26500	* 26500	28050	17250	17900	11700	* 12900	8800			* 3800	3700
-4.6 m -15'	* 18500	14950	12800	7850	8150	5350					* 4200	3600
	* 15000	* 15000	* 10750	8150							* 9300	7950
	* 33100	* 33100	* 23750	18000							* 4750	3650
											* 10450	8150
											* 5650	4000
											* 12500	8800
											7100	4700
											* 8950	6650
											* 19750	14700

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



## 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: 3600 kg 7,937 lb
  - Bucket: None
  - Lifting mode: On

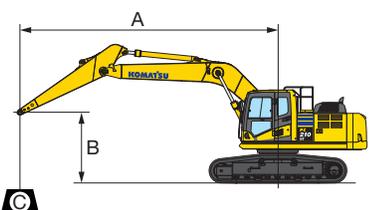
Arm: 2900 mm 9'7" HD

Shoes: 700 mm 28"

Unit: kg lb

B \ A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 4100	* 4100
											* 9050	* 9050
6.1 m 20'					* 6500	5350					* 3850	* 3850
					* 14400	11850					* 8500	* 8500
4.6 m 15'			* 8000	* 8000	* 7150	5200	* 5250	3700			* 3800	3500
			* 17700	* 17700	* 15850	11550	* 11550	8250			* 8400	7750
3.0 m 10'	* 12800	* 12800	* 10350	7550	7650	5000	5450	3650			* 3950	3200
	* 28300	* 28300	* 22850	16700	16900	11050	12050	8050			* 8700	7100
1.5 m 5'			11650	7100	7400	4800	5350	3550			* 4200	3100
			25650	15650	16350	10600	11800	7800			* 9300	6900
0 m 0'	* 7450	* 7450	11300	6850	7250	4650	5250	3450			* 4750	3150
	* 16500	* 16500	25000	15100	16000	10250	11650	7650			* 10450	7000
-1.5 m -5'	* 12000	* 12000	11250	6750	7150	4550	5250	3450			* 5250	3450
	* 26500	* 26500	24800	14950	15800	10100	11600	7600			* 11550	7600
-3.0 m -10'	* 18500	13000	11300	6800	7200	4600					6250	4050
	* 40850	28700	24950	15100	15900	10200					13850	9000
-4.6 m -15'	* 15000	* 15000	* 10750	7100							* 8950	5800
	* 33100	* 33100	* 23750	15700							* 19750	12800

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



- 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: 3600 kg 7,937 lb
  - Bucket: None
  - Lifting mode: On

Arm: 2900 mm 9'7" HD

Shoes: 800 mm 31.5"

Unit: kg lb

B \ A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 4100	* 4100
											* 9050	* 9050
6.1 m 20'					* 6500	5400					* 3850	* 3850
					* 14400	11950					* 8500	* 8500
4.6 m 15'			* 8000	* 8000	* 7150	5300	* 5250	3750			* 3800	3550
			* 17700	* 17700	* 15850	11650	* 11550	8350			* 8400	7850
3.0 m 10'	* 12800	* 12800	* 10350	7650	7750	5050	5500	3700			* 3950	3250
	* 28300	* 28300	* 22850	16850	17100	11200	12200	8150			* 8700	7200
1.5 m 5'			11750	7200	7500	4850	5400	3600			* 4200	3150
			25950	15850	16550	10700	11950	7900			* 9300	6950
0 m 0'	* 7450	* 7450	11450	6900	7300	4700	5350	3500			* 4750	3200
	* 16500	* 16500	25300	15300	16200	10400	11750	7750			* 10450	7100
-1.5 m -5'	* 12000	* 12000	11350	6850	7250	4650	5300	3500			5300	3500
	* 26500	* 26500	25100	15100	16000	10250	11750	7700			11700	7700
-3.0 m -10'	* 18500	13150	11450	6900	7300	4650					6350	4100
	* 40850	29050	25250	15250	16100	10300					14000	9100
-4.6 m -15'	* 15000	13550	* 10750	7200							* 8950	5850
	* 33100	29850	* 23750	15850							* 19750	12950

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



## STANDARD EQUIPMENT

- Alternator, 60 Ampere, 24V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auxiliary input (3.5mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valves
- Converter, (2) x 12V
- Counterweight, 4720 kg **10,406 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-2
- Engine overheat prevention system
- 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 4.0
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1
- 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, 76mm **3"**
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 800mm **31.5"**
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Travel alarm
- Working lights, 2 (boom and RH front)
- Working mode selection system



## OPTIONAL EQUIPMENT

- (1) additional rearview camera
- Arms
  - 2925 mm **9'7"** arm assembly
  - 2925 mm **9'7"** HD arm assembly
  - 2925 mm **9'7"** HD arm assembly with piping
- Booms
  - 5700 mm **18'8"** 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
  - Lower front window guard
- Counterweight, 3600 kg **7,937 lb**
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Rain visor
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 700 mm **28"**
- Sun visor
- Straight travel pedal
- Track roller guards, full length
- Working light, front, one additional



## ATTACHMENT OPTIONS

- Grade control systems
- Hydraulic couplers
- Hydraulic kits, field installed
- 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.**