

KOMATSU®

PC210LC-11

Tier 4 Final Engine

HYDRAULIC EXCAVATOR



Photos may include optional equipment.

NET HORSEPOWER

165 HP @ 2000 rpm
123 kW @ 2000 rpm

OPERATING WEIGHT

51,397–53,882 lb
23313–24440 kg

BUCKET CAPACITY

0.66–1.57 yd³
0.50–1.20 m³

PC210LC

WALK-AROUND

PC210LC-11



Photos may include optional equipment.

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PERFORMANCE & FUEL ECONOMY

New engine with up to 4% more horsepower and up to 6% better fuel consumption than the PC210LC-10.

A powerful **Komatsu SAA6D107E-3 engine** provides a net output of 123 kW **165 HP**. This engine is EPA Tier 4 Final 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) and Selective Catalytic Reduction (SCR) system reduce particulate matter and NOx while providing automatic regeneration that does not interfere with daily operation.

Komatsu's Closed-center Load Sensing System (CLSS) provides quick response and smooth operation to maximize productivity.

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

KOMTRAX® equipped machines can send location, service meter reading and operation maps to a secure website or smart phone utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel & Diesel Exhaust Fluid (DEF) levels, and much more.

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.

Triple labyrinth final drive cover helps prevent mud packing.



Enhanced working environment

- High back, heated air suspension operator seat with new adjustable arm rests
- Integrated ROPS cab design
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard
- Aux jack and (2) 12V power outlets

Wide access service doors provide easy access for ground level maintenance.

Guardrails (standard) on both sides provide more convenient access to the upper structure.

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

Komatsu designed and manufactured components

Swing out cooler design provides easy access to service and clean the cooler assembly.

Komatsu Auto Idle Shutdown helps reduce idle time and operating costs.

Operator Identification System can track machine operation for more than 100 operators.

PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

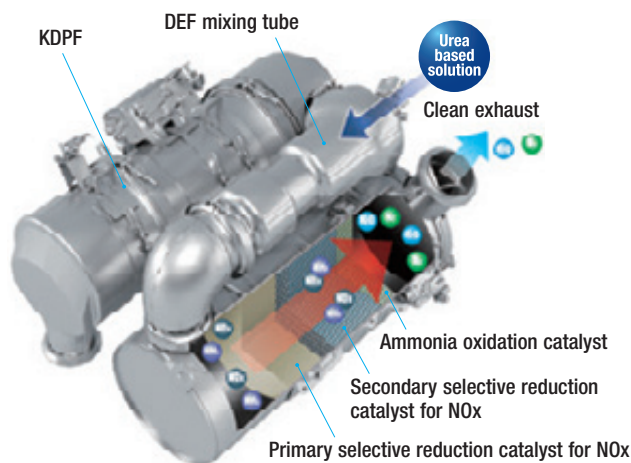
New Tier 4 Final Engine

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 Tier 4 interim 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

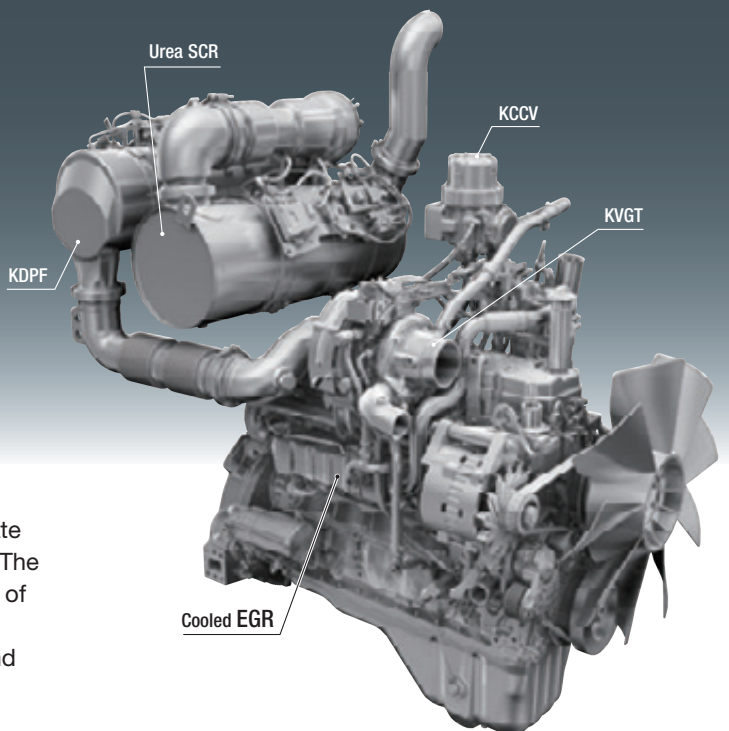
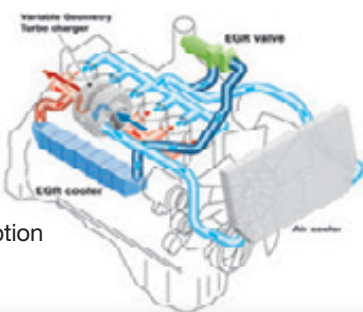
Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) 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).



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into the air intake and lowers combustion temperatures, thereby reducing NOx emissions. EGR gas flow has been decreased for Tier 4 Final with the addition of SCR technology. The system achieves a dynamic reduction of NOx, while helping reduce fuel consumption below Tier 4 Interim levels.

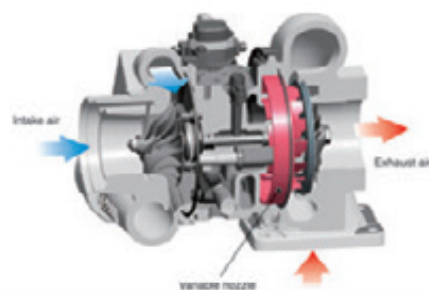


Advanced Electronic Control System

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle providing total control of equipment in all conditions of use. Engine condition information is displayed via an on-board network to the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via KOMTRAX helps customers keep up with required maintenance.

Komatsu Variable Geometry Turbocharger (KVGT) system

The KVGT system features proven Komatsu design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version provides better exhaust temperature management.



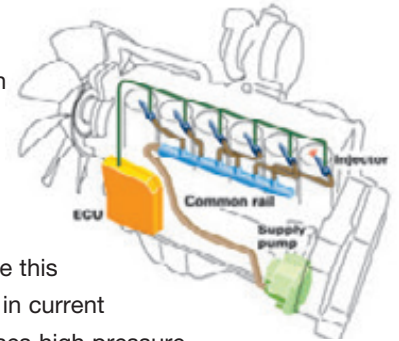
Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The countdown to engine shutdown can be easily programmed from 5 to 60 minutes.



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

The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, providing close to complete combustion to reduce PM emissions. While this technology is already used in current engines, the new system uses high pressure injection, thereby reducing both PM emissions and fuel consumption over the entire range of engine operating conditions. The Tier 4 Final engine has advanced fuel injection timing for reduced fuel consumption and lower soot levels.



Fuel Consumption

Reduced by up to 6%

(vs PC210LC-10 Based on typical work pattern
Collected via KOMTRAX)

This fuel consumption data is the result of using a prototype machine.



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 PC210LC-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 PC210LC-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



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.



WORKING ENVIRONMENT



WORKING ENVIRONMENT



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, ashtray



Remote intermittent wiper with windshield washer



Cigarette lighter



Opening & closing skylight



Magazine box & cup holder



Defroster (conform to the ISO standard)



One-touch storable front window lower glass



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

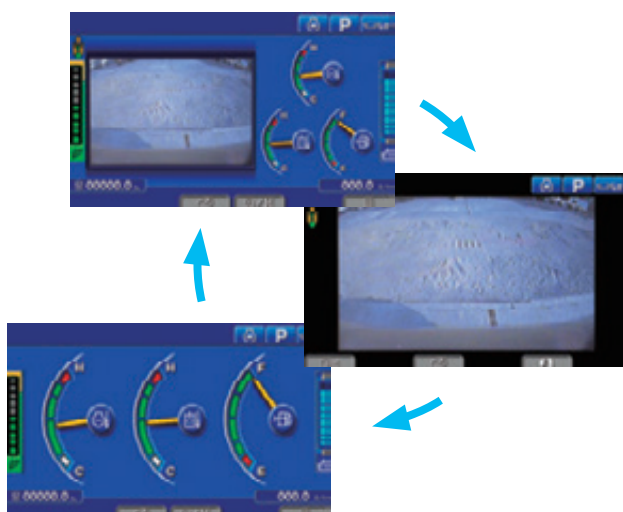
- | | |
|------------------------------------|----------------------------|
| ① Auto-decelerator | ⑧ Fuel gauge |
| ② Working mode | ⑨ DEF level gauge |
| ③ Travel speed | ⑩ Service meter, clock |
| ④ Ecology gauge | ⑪ Fuel consumption gauge |
| ⑤ Camera display | ⑫ Guidance icon |
| ⑥ Engine coolant 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 |

Switchable Display Modes

The main screen display mode can be changed by pressing the pressing the F3 key.



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.

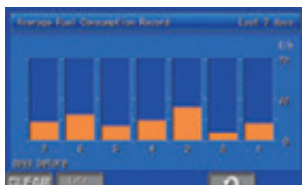


Operation record, fuel consumption history, and ecology guidance record

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



Fuel consumption history



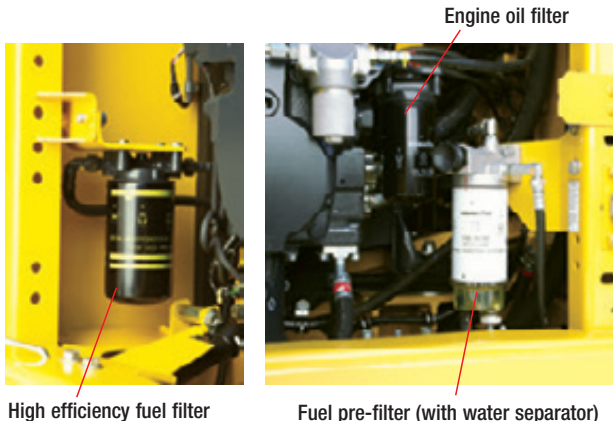
Ecology guidance record



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.

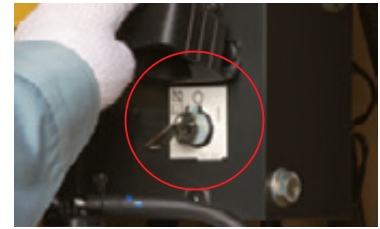


High efficiency fuel filter

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 cooling unit

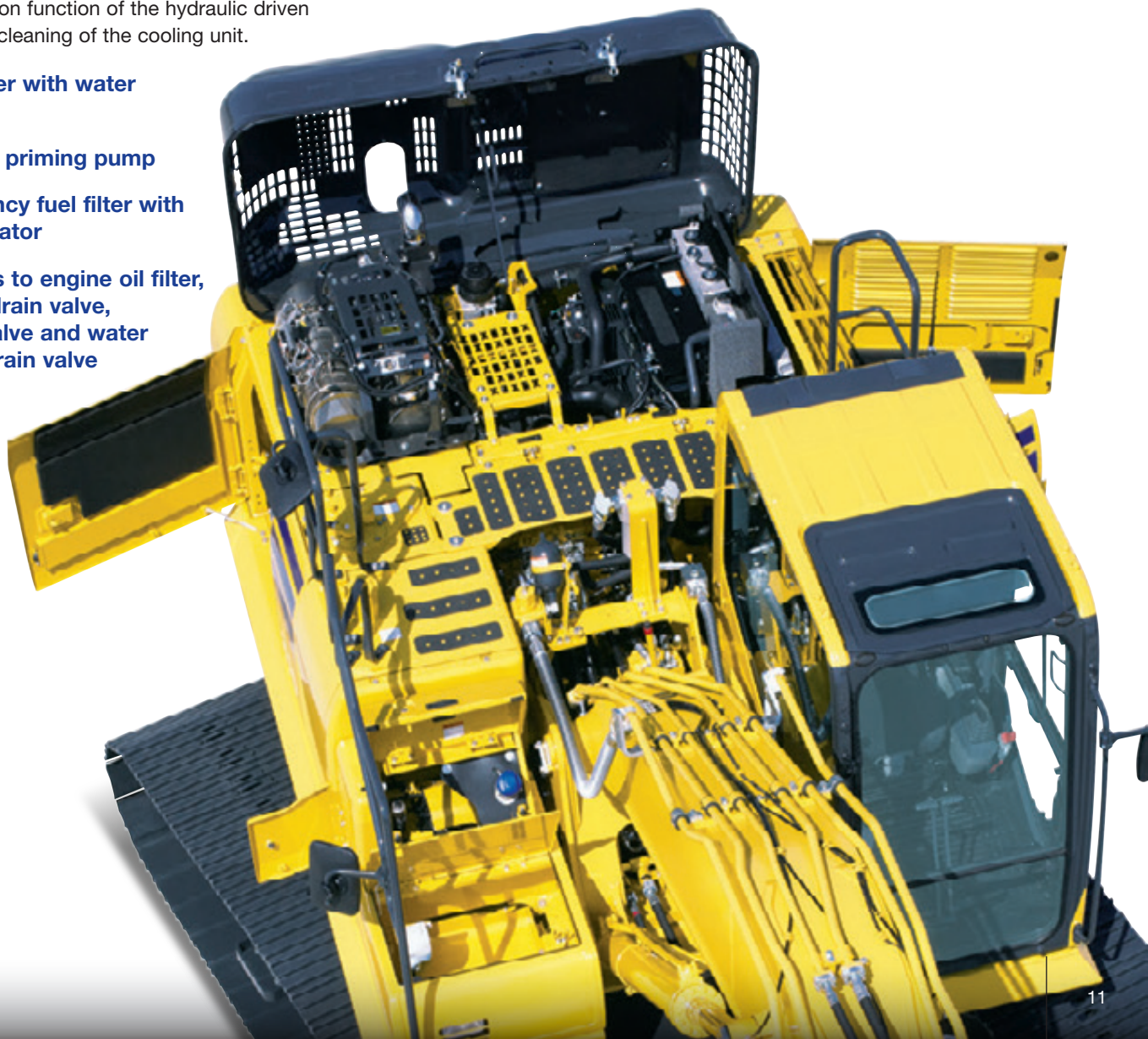
Reverse-rotation function of the hydraulic driven fan facilitates cleaning of the cooling unit.

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.

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



Hydraulic oil filter
(Ecology-white element)

Large capacity air cleaner

Large capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life time 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 KDPF.



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.

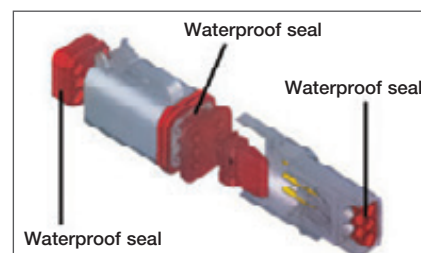


DEF level gauge

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 easily checking the surrounding area.

Rear view camera

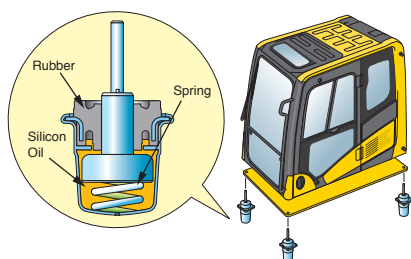


Rear view image on monitor



Low Vibration with Viscous Cab Mounts

The PC210LC-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

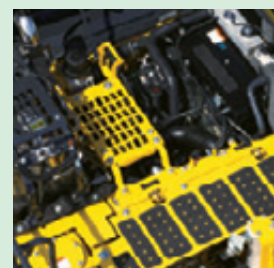
Travel alarm

Large cab entrance step

Left and right side hand rails



Seat belt caution indicator



KOMATSU PARTS & SERVICE SUPPORT



Every new Komatsu Tier 4 Final construction machine is covered.

The Komatsu CARE program covers all new Komatsu Tier 4 Final construction equipment, whether rented, leased or purchased. For the first 3 years or 2,000 hours, whichever occurs first, you'll receive:

- Regular service at 500, 1,000, 1,500 and 2,000-hr. intervals
- DEF tank breather element replacement at 1,000 hours
- DEF and CCV filters replacement at 2,000 hours
- 50-point inspection by factory-trained technician at each scheduled interval
- Technician labor
- Fluids, oils, coolant, filters, SCR screen, tank breather and parts
- Technician travel to and from your equipment location

Plus two complimentary scheduled KDPF exchanges and SCR system service for 5 years-no hours limits.*

Service will be performed by a Komatsu Distributor and only Komatsu genuine fluids and filters will be used.

Komatsu CARE® services are available from every Komatsu Distributor in the U.S. and Canada.



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



* Some exclusions apply. Please contact your Komatsu distributor for specific program details.



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

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

- Knowing when machines are **running or idling** can help improve 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



✓ 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®

For construction and compact equipment.

KOMTRAX Plus™

For production and mining class machines.

SPECIFICATIONS



ENGINE

Model..... Komatsu SAA6D107E-3*
 Type Water-cooled, 4-cycle, direct injection
 Aspiration..... Komatsu 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 **164.6 HP**
 Rated rpm 2000
 Fan drive method for radiator cooling..... Mechanical
 Governor..... All-speed control, electronic
 *EPA Tier 4 Final emissions certified



HYDRAULICS

TypeHydrauMind (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 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**
 DEF tank 23.1 ltr **6.1 U.S. gal**



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
700 mm	24160 kg	0.47 kg/cm²
28"	53,265 lb	6.7 psi
800 mm	24440 kg	0.42 kg/cm²
31.5"	53,882 lb	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

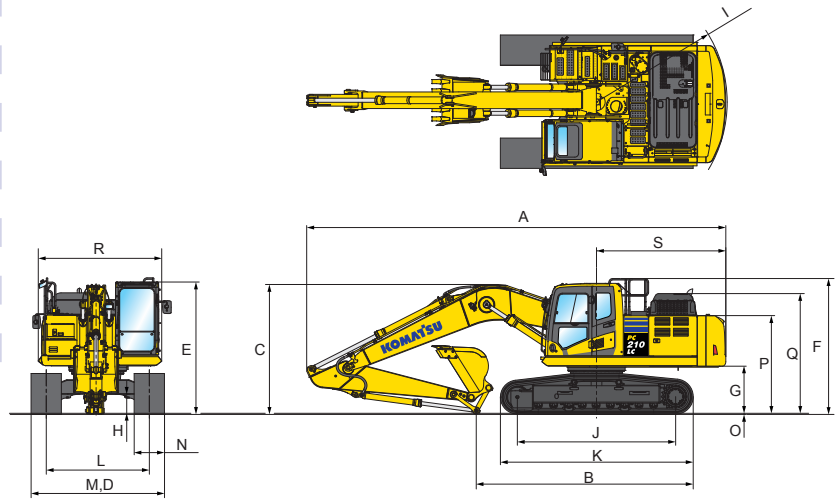
5700 mm **18'8"** boom assembly..... 1885 kg **4,156 lb**
 5700 mm **18'8"** HD boom assembly w/piping.. 1953 kg **4,306 lb**
 Boom cylinders x 2 205 kg **452 lb**
 Counterweight (standard) 4370 kg **9,634 lb**
 1.19 m³ **1.57 yd³** bucket - 48" width 949 kg **2,092 lb**



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	Ground clearance, counterweight	1085 mm	3'7"
H	Ground clearance, minimum	440 mm	1'5"
I	Tail swing radius	3020 mm	9'11"
J	Track length on ground	3655 mm	12'0"
K	Track length	4450 mm	14'7"
L	Track gauge	2380 mm	7'10"
M	Width of crawler	3080 mm	10'1"
N	Shoe width	700 mm	28"
O	Grouser height	26 mm	1"
P	Machine cab height	2250 mm	7'5"
Q	Machine height to top of engine cover	2765 mm	9'1"
R	Machine upper width	2850 mm	9'4"
S	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	⊙

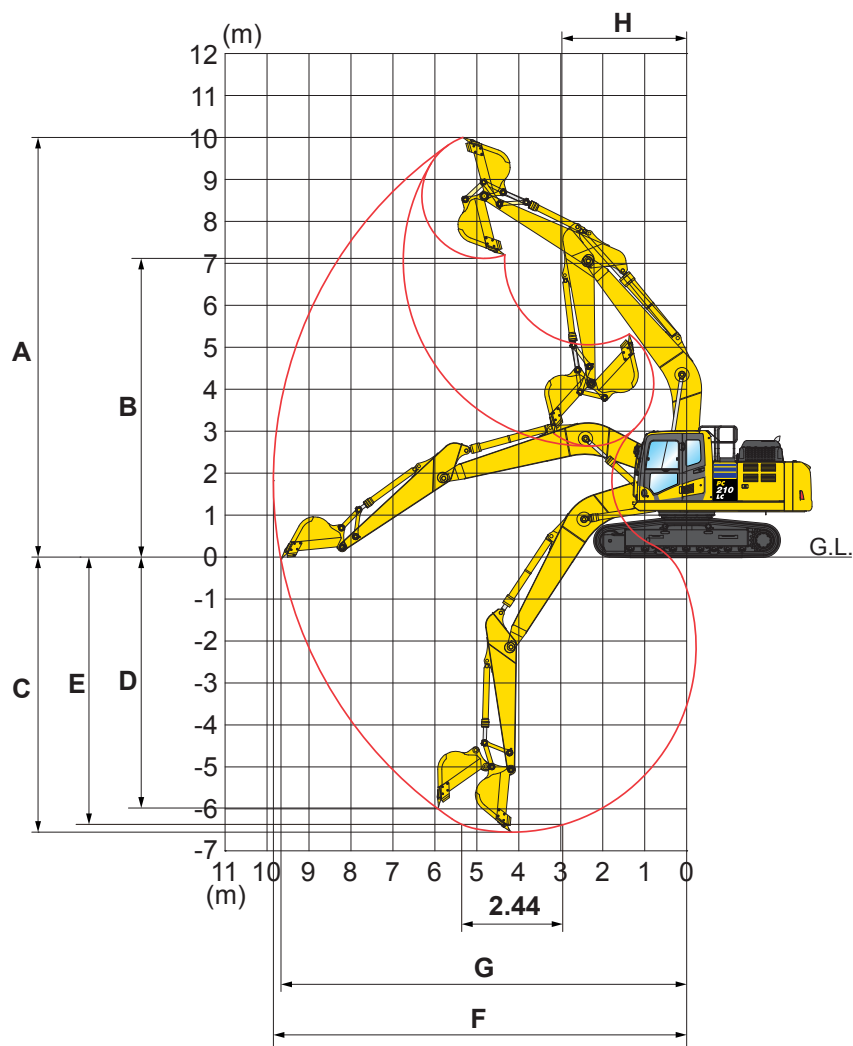
● - Used with material weights up to 3,500 lb/yd³ - Quarry/rock/high abrasion applications
 □ - Used with material weights up to 2,500 lb/yd³ - General construction

○ - Used with material weights up to 3,000 lb/yd³ - Tough digging applications
 ⊙ - Used with material weights up to 2,000 lb/yd³ - Light materials applications
 X - Not useable

SPECIFICATIONS



WORKING RANGE

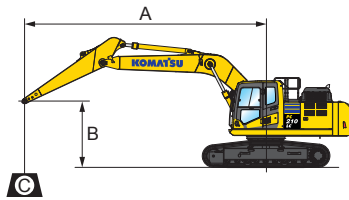


	Arm Length	2925 mm	9'7"
A	Max. digging height	10000 mm	32'10"
B	Max. dumping height	7110 mm	23'4"
C	Max. digging depth	6620 mm	21'9"
D	Max. vertical wall digging depth	5980 mm	19'7"
E	Max. digging depth for 8' level bottom	6370 mm	20'11"
F	Max. digging reach	9875 mm	32'5"
G	Max. digging reach at ground 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	

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:

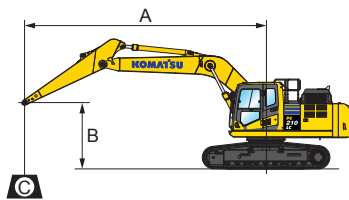
- 5700 mm **18' 8"** one-piece boom
- Counterweight: 4370 kg **9,634 lb**
- Bucket: None
- Lifting mode: On

Arm: 2900 mm 9'7" HD		Bucket: None				Shoes: 700 mm 28"				Unit: kg lb			
A	MAX	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
B		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	6.0 m 20'											* 4100 * 9100	* 4100 * 9100
6.1 m 20'	7.2 m 24'							* 6550 * 14400	6100 13500			* 3850 * 8500	* 3850 * 8500
4.6 m 15'	7.9 m 26'					* 8000 * 17700	* 8000 * 17700	* 7200 * 15850	5950 13200	* 5250 * 11600	4300 9500	* 3800 * 8450	* 3800 * 8450
3.0 m 10'	8.3 m 27'			* 12850 * 28300	* 12850 * 28300	* 10350 * 22850	8650 19100	* 8250 * 18200	5750 12700	6200 13650	4200 9300	* 3950 * 8700	3700 8250
1.5 m 5'	8.4 m 27'					* 12550 * 27700	8150 18050	8400 18500	5550 12200	6050 13400	4100 9050	* 4200 * 9350	3600 8000
0 m 0'	8.1 m 27'			* 7450 * 16500	* 7450 * 16500	12850 28300	7900 17450	8200 18100	5350 11850	6000 13200	4000 8900	* 4750 * 10500	3700 8150
-1.5 m -5'	7.6 m 25'			* 12000 * 26500	* 12000 * 26500	12750 28100	7800 17300	8150 17950	5300 * 11700	* 5850 * 12950	4000 8850	* 5650 * 12550	4000 8800
-3.0 m -10'	6.7 m 22'			* 18500 * 40850	14950 33000	12800 28250	7900 17400	8150 18050	5350 11800			7100 15650	4700 10400
-4.6 m -15'	5.3 m 17'			* 14950 * 32950	* 14950 * 32950	* 10650 * 23500	8100 17850					* 8900 * 19700	6650 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: 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			
A	MAX	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
B		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	6.0 m 20'											* 4100 * 9100	* 4100 * 9100
6.1 m 20'	7.2 m 24'							* 6550 * 14400	6150 13650			* 3850 * 8500	* 3850 * 8500
4.6 m 15'	7.9 m 26'					* 8000 * 17700	* 8000 * 17700	* 7200 * 15850	6050 13300	* 5250 * 11600	4350 9600	* 3800 * 8450	* 3800 * 8450
3.0 m 10'	8.3 m 27'			* 12850 * 28300	* 12850 * 28300	* 10350 * 22850	8750 19250	* 8250 * 18200	5800 12850	6250 13800	4250 9400	* 3950 * 8700	3750 8300
1.5 m 5'	8.4 m 27'					* 12550 * 27700	8250 18250	8500 18700	5600 12350	6150 13550	4160 9150	* 4200 * 9350	3650 8050
0 m 0'	8.1 m 27'			* 7450 * 16500	* 7450 * 16500	12950 28600	8000 17650	8300 18300	5450 12000	6050 13350	4050 9000	* 4750 * 10500	3700 8250
-1.5 m -5'	7.6 m 25'			* 12000 * 26500	* 12000 * 26500	12850 28400	7900 17450	8200 18150	5350 * 11850	* 5850 * 12950	4050 8950	* 5650 * 12550	4050 8900
-3.0 m -10'	6.7 m 22'			* 18500 * 40850	15100 33350	12950 28550	7950 17600	8250 18250	5400 11900			7150 15850	4750 10500
-4.6 m -15'	5.3 m 17'			* 14950 * 32950	* 14950 * 32950	* 10650 * 23500	8150 18050					* 8900 * 19700	6700 14850

*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

- 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

- (1) additional rearview camera
- Arms
 - 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
- 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

- Cab air pre-cleaner
- 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.

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05/15 (EV-1)

KOMATSU®

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