

PC210LCi-11

Tier 4 Final Engine

HYDRAULIC EXCAVATOR

NET HORSEPOWER

165 HP @ 2000 rpm 123 kW @ 2000 rpm

OPERATING WEIGHT

50,706–51,588 lb 23000–23400 kg

BUCKET CAPACITY

0.66-1.57 yd³ 0.50-1.20 m³



WALK-AROUND



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MAKE EVERY PASS COUNT



Improve your efficiency – less time required to complete excavation to finish grade with intelligent Machine Control (see pg 5).

Semi-automatic operation – next generation technology goes beyond traditional machine guidance (indicate only) type systems.

Innovative

- intelligent Machine Control excavator features semi-automatic operation of work equipment for highly accurate work.
- Large 12.1" (30.7 cm) monitor neatly displays simultaneous information such as magnified fine grading view, 3D view, current as-built status, etc.

Integrated

Complete factory installed integrated intelligent Machine Control system comes standard with stroke sensing hydraulic cylinders, Global Navigation Satellite System (GNSS) components and an Inertial Measurement Unit (IMU) sensor. All components are validated to Komatsu's rigid quality & durability standards.



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.



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 (indicate only).



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

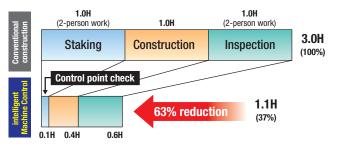
The intelligent Machine Control excavator controls the bucket by automatically selecting the point on the bucket closest to the target surface. Should the machine not be facing a sloped surface at a right angle, it will still follow the target surface and minimize digging below it.



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 an expert 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.



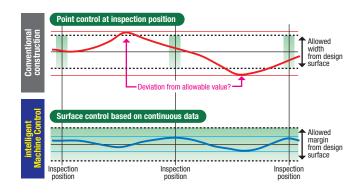
Comparison of Slope Shaping Work

intelligent Machine Control Conventional construction Shaping with reference to finishing Reduces staking work and the number stakes of assistant workers.

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



As-Built Surface Track Mapping

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



INTELLIGENT MACHINE CONTROL



Control Box

The monitor of the Komatsu intelligent Machine Control (control box) uses a large 12.1" (30.7 cm) 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.

Bucket Edge Guidance with Eyesight and Sound

Light bar

Colors show the bucket edge position relative to the target surface. Since the light bar is located on the left side of the screen, the bucket edge position can be viewed simply while operating, which increases the work efficiency.

Sound guidance

The operator can recognize the target surfaces not only by eyesight, but also by sound. Unique tones can be programmed for various bucket edge distances from the target surface.



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,

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.



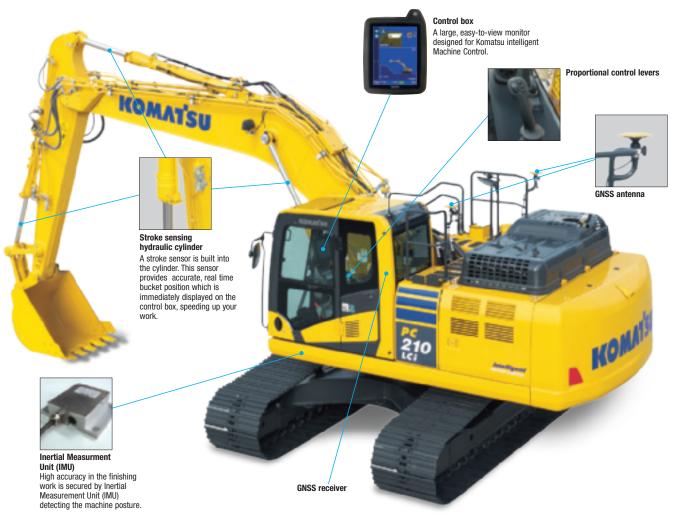
which is useful when finishing slopes.

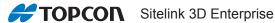






Factory installed Komatsu intelligent Machine Control components.





The Sitelink 3D Enterprise connects the office and machine via a network, to help visualize the worksite clearly.



Transmission of design data from office to machine



Sending messages from office to machine or vice versa



Progress information and as-built data can be sent to the office from the machine in real time.



Remote assistance function enables troubleshooting from anywhere via the internet.

Please contact your local Topcon dealer for details.

PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

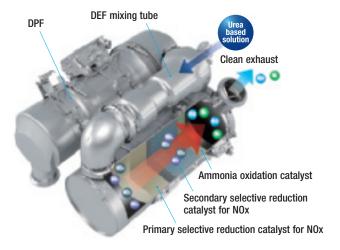
New Tier 4 Final Engine

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

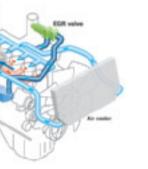
This new system combines a Diesel Particulate Filter (DPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapor (H₂O) and nitrogen gas (N₂).



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

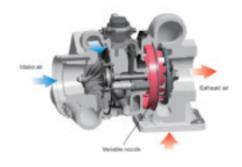
Cooled EGR

Urea SCR

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.

Variable Geometry Turbocharger (VGT) system

The VGT 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)



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) (with Power Max.)

Maximum bucket digging force (ISO)

138 kN(14.1t) 149 kN(15.2t) C (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
Р	Power mode	Maximum production/power Fast cycle times
E	Economy mode	•Good cycle times •Better fuel economy
L	Lifting mode	•Increases hydraulic pressure
В	Breaker mode	•Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode Optimum engine rpm, hydraulic flow, 2-way Power mode	
ATT/E	Attachment Economy mode	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



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)



Remote intermittent wiper



Opening & closing skylight



Defroster



Radio, ashtray



Cigarette lighter



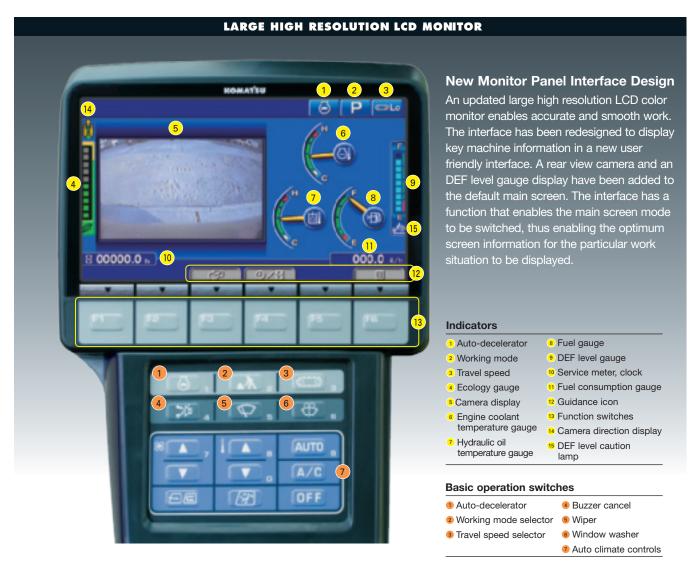
Magazine box & cup holder



One-touch storable front window lower glass

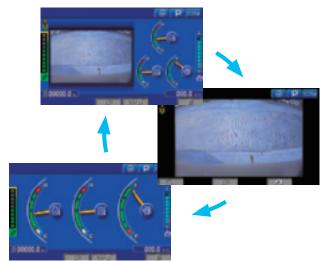






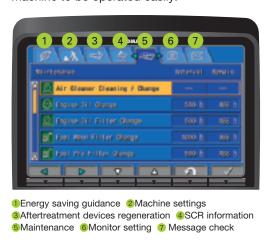
Switchable Display Modes

The main screen display mode can be changed by 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.



WORKING ENVIRONMENT

Support Efficiency Improvement

Ecology guidance

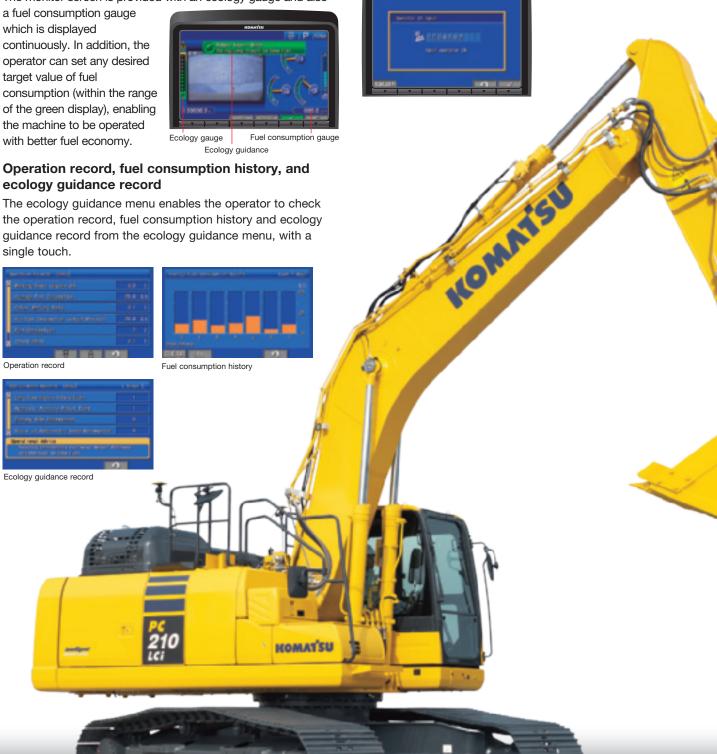
While the machine is operating, ecology guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

Ecology gauge & fuel consumption gauge

The monitor screen is provided with an ecology gauge and also

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.



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.

Engine oil filter





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

PC210LC-11 Shown



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)

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 s

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.



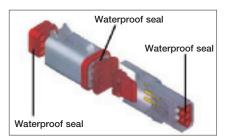


DEF level gauge

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 easily checking the surrounding area.

Rear view camera

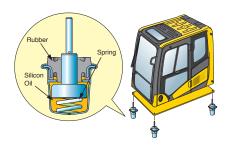


Rear view image on monitor



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.



Left and right side handrails



Seat belt caution indicator



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



KOMATSU PARTS & SERVICE SUPPORT



KOMATSU CARE

Program Includes:

*The PC210LCi-11 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 PC210LCi-11 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 PC210LCi-11 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.

Interval PM	500	1000	1500	2000
KOWA SAMPLING – (Engine, Hydraulics, Swing Circle, L & R Final Drives)	✓	✓	✓	✓
LUBRICATE MACHINE	✓	1	✓	√
LUBRICATE SWING CIRCLE	✓	√	√	✓
CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY	✓	1	✓	1
CHANGE ENGINE OIL	√	√	√	✓
REPLACE ENGINE OIL FILTER	√	√	1	√
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	✓	1	✓	✓
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.

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

^{*} 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 2017 Komatsu America Corp.

KOMTRAX EQUIPMENT MONITORING





- 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



 KOMTRAX is standard equipment on all Komatsu construction products



- 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



- 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



- 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









SPECIFICATIONS



ENGINE

Model	Komatsu SAA6D107E-3*
TypeWater-cod	oled, 4-cycle, direct injection
AspirationVariab	ole Geometry Turbocharged,
	aftercooled, cooled EGR
Number of cylinders	6
Bore	107 mm 4.21"
Stroke	124 mm 4.88"
Piston displacement Horsepower	6.69 ltr 408 in³
ISO 9249 / SAE J1349 Fan at maximum speed	
Rated rpm	2000 rpm
Fan drive method for cooling radiate	orMechanical 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
31	1 1 21
Pumps forBoom, 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 ² 5,400 psi
Travel circuit	37.3 MPa 380 kg/cm ² 5,400 psi
Swing circuit	28.9 MPa 295 kg/cm ² 4,190 psi
Pilot circuit	3.2 MPa 33 kg/cm ² 470 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"** Arm1–135 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°
(Auto-Shift)	High
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

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	



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)
800 mm	23400 kg	0.37 kg/cm ²
31.5"	51,588 lb	5.29 psi

Component Weights

Arm including bucket cylinder and linkage									
2900 mm 9'7" HD arm assembly1136 kg 2,505 lb									
2900 mm 9'7" HD arm assembly w/piping 1200 kg 2,646 lb									
One piece boom including arm cylinder									

one piece boom mending arm cymider	
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 m ³ 1.57 yd³ bucket - 48" width	.949 kg 2,092 lb

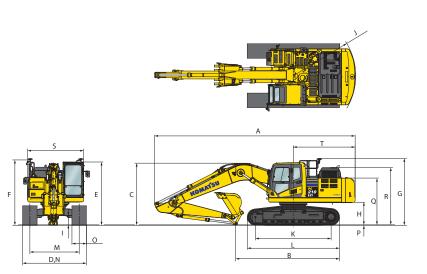




DIMENSIONS

	Arm Length	2925 mm	9'7"
Α	Overall length	9705 mm	31'10"
В	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"
Ε	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"
Н	Ground clearance, counterweight	1085 mm	3'7"
- 1	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"
0	Shoe width	700 mm	28"
P	Grouser height	26 mm	1"
Q	Machine cab height	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"







BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket		Bucket										
Туре	Сара	acity	Wid	th	We	ight	2.9 m (9'7")					
	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	•					
Komatsu TL	0.85 m ³	1.11 yd³	914 mm	36"	780 kg	1,719 lb	•					
IL.	1.02 m ³	1.34 yd ³	1067 mm	42"	857 kg	1,890 lb	0					
	1.20 m ³	1.57 yd ³	1219 mm	48"	949 kg	2,092 lb						
	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	•					
Komatsu HP	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	0					
	1.20 m ³	1.57 yd ³	1219 mm	48"	1066 kg	2,349 lb	⊙					
	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	•					
Komatsu HPS	0.85 m ³	1.11 yd ³	914 mm	36"	962 kg	2,120 lb	•					
пго	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	•					
	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	•					
Komatsu HPX	0.85 m ³	1.11 yd ³	914 mm	36"	1061 kg	2,340 lb	0					
пгХ	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 semi-automatic machine control performance, observe maximum attachment weight:

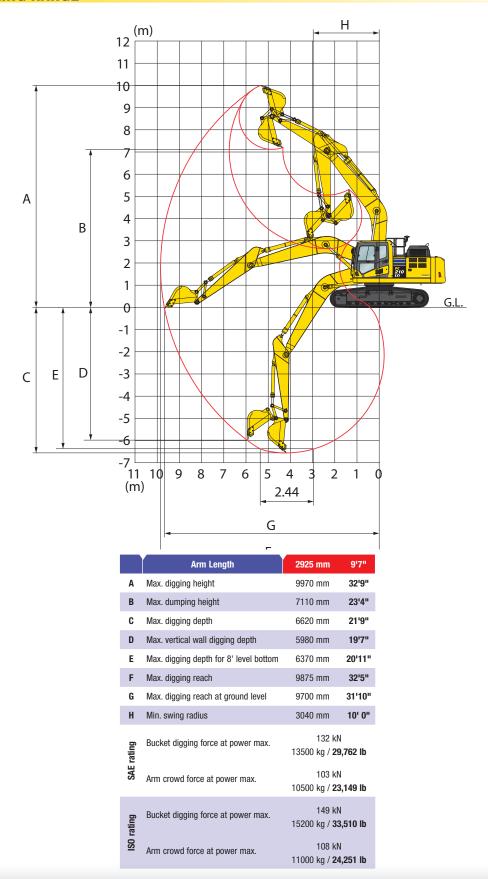
• 1600 kg **3,528 lb** maximum for 2925 mm **9'7"** standard arm assembly

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

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

SPECIFICATIONS

WORKING RANGE

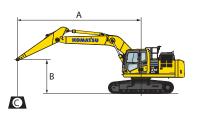


LIFT CAPACITIES





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:

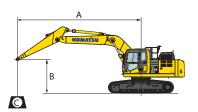
- 5700 mm **18' 8"** one-piece boom
- Counterweight: 4370 kg 9,634 lb
- Bucket: None
- Lifting mode: On

Arm: 2900 n	nm 9'7" HD		1	Bucket: Nor	ne			Shoes:	700 mm 28"					Unit: kg lb
A	MAY	1.5 r	n 5'	3.0 n	n 10'	4.6 ו	n 15'	6.1 r	n 20'	7.6 m	25'		₽ M/	X
В	MAX	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Ct	:	Cs
7.6 m 25'	6.0 m 20'											* 41 * 91		4100 9100
6.1 m 20'	7.2 m 24'							* 6550 * 14400	6100 13500			* 38 * 85		3850 8500
4.6 m 15'	7.9 m 26'							* 7200 * 15850	5950 13200	3230	4300 9500	* 38 * 84		3800 8450
3.0 m 10'	8.3 m 27'			12000	* 12850 * 28300	* 10350 * 22850	8650 19100	* 8250 * 18200	5750 12700	6200 13650	4200 9300	* 39 * 87		3700 8250
1.5 m 5'	8.4 m 27'					* 12550 * 27700	8150 18050	8400 18500	5550 12200	6050 13400	4100 9050	* 42 * 93		3600 8000
0 m	8.1 m 27'			7450 1 6500	* 7450 * 16500	12850 28300	7900 17450	8200 18100	5350 11850	6000 13200	4000 8900	* 47 * 105		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	* 56 * 125		4000 8800
-3.0 m -10'	6.7 m 22'			18500 40850	14950 33000	12800 28250	7900 17400	8150 18050	5350 11800			71 15 6		4700 10400
-4.6 m -15'	5.3 m 17'			14330	* 14950 * 32950	* 10650 * 23500	8100 17850					* 89 * 197		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					None Shoes: 800 mm 31.5"							Shoes: 800 mm 31.5"									U	nit: kg lb
A	MAY	1.5 n	ո 5'	3.0 r	n 10'		4.6 ו	m 15'	M	6.1 r	n 20'		7.6 r	n 25'		8	MA)	X							
В	MAX	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'								*	7200 15850	6050 13300	*	5250 11600	4350 9600	*	3800 8450	*	3800 8450							
3.0 m 10'	8.3 m 27'		*	12000	* 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'		*	7430	* 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	* 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'		*	10300	15100 33350		12950 28550	7950 17600		8250 18250	5400 11900					7150 15850		4750 10500							
-4.6 m -15'	5.3 m 17'		*	14930	* 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 quard
- 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 with piping
- Boom
 - 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 ■ Hydraulic control unit, 1 actuator
- Rain visor
- Sun visor



ATTACHMENT OPTIONS

- Hydraulic couplers
- Hydraulic kits, field installed

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



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AD03(2.5M)OTP

03/18 (EV-1)



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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