PC240LC

**NET HORSEPOWER**
177 HP @ 2000rpm
132 kW @ 2000rpm

**OPERATING WEIGHT**
54,490–55,129 lb
24716–25006 kg

**BUCKET CAPACITY**
0.76–1.85 yd³
0.58–1.41 m³

PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT
Photos may include optional equipment
**A powerful Komatsu SAA6D107E-2 engine** provides a net output of 132 kW. 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 airflow 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.

**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**

**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.

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

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

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

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 (KVGT)

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 PC240LC-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 PC240LC-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):
- 121 kN (12.3 t) ➞ 129 kN (13.2 t) 7 % UP (with Power Max.)

Maximum bucket digging force (ISO):
- 159 kN (16.2 t) ➞ 172 kN (17.5 t) 8 % UP (with Power Max.)

* Measured with Power Max function, 3045 mm arm and ISO rating
**Efficient Hydraulic System**
The PC240LC-10 uses a Closed Center Load Sensing (CLSS) hydraulic system that improves fuel efficiency and provides quick response to the operator’s demands.

The PC240LC-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 PC220LC-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.

**Working Mode Selection**
The PC240LC-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 PC240LC-10 features a new mode (ATT/E) which allows operators to run attachments while in Economy mode.

<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Power mode</td>
<td>• Maximum production/power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fast cycle times</td>
</tr>
<tr>
<td>E</td>
<td>Economy mode</td>
<td>• Good cycle times</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Better fuel economy</td>
</tr>
<tr>
<td>L</td>
<td>Lifting mode</td>
<td>• Increases hydraulic pressure</td>
</tr>
<tr>
<td>B</td>
<td>Breaker mode</td>
<td>• Optimum engine rpm, hydraulic flow</td>
</tr>
<tr>
<td>ATT/P</td>
<td>Attachment Power mode</td>
<td>• Optimum engine rpm, hydraulic flow, 2-way</td>
</tr>
<tr>
<td>ATT/E</td>
<td>Attachment Economy mode</td>
<td>• Optimum engine rpm, hydraulic flow, 2-way</td>
</tr>
</tbody>
</table>

**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.
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.

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

Grease Sealed Track
The PC240LC-10 uses grease sealed tracks for extended undercarriage life.

Metal Guard Rings
The PC240LC-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.

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.

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.

- 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 PC240LC-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.
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.

Improved Attachment Control

The PC240LC-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.

Large High Resolution LCD Monitor Panel

A new large, user-friendly, high resolution LCD color monitor enables accurate and smooth work. Screen viability 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
2. Working mode
3. Travel speed
4. Engine water temperature gauge
5. Auto-decelerator
6. Hydraulic oil temperature gauge
7. Fuel gauge
8. Eco-gauge
9. Fuel consumption gauge
10. Function switches menu

Basic operation switches

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

Air conditioner operation switches

1. Basic operation switches
2. Air conditioner operation switches
3. Function switches
4. 9
5. 8
6. 7
7. 6
8. 5
9. 4
10. 3
11. 2
12. 1

Hydraulic oil temperature gauge
Fuel gauge
Eco-gauge
Fuel consumption gauge

Operation Records
Average Fuel Consumption Logs

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.

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.
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.

Equipped with Eco-drain Valve

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

Equipment Management Monitoring System (EMMS)

The PC240LC-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.
**ROPS Cab Design**
The PC240LC-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.

**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 is Komatsu’s remote equipment monitoring and management system. KOMTRAX gathers critical machine and operation information and provides it in a user-friendly format so that you can make well-informed decisions. KOMTRAX gives you more control of your equipment and better control of your business!

KOMTRAX comes standard on all new Komatsu machines with complimentary manufacturer communications services throughout the entire ownership period. It is a powerful tool and makes Komatsu machines an even better purchase!

**Fleet Optimization**

KOMTRAX tells you how your machines and operators are performing. KOMTRAX provides:

- Fuel consumption data and trends, by unit or fleet
- Machine fuel level
- Machine utilization
- Actual working hours/Machine idle hours
- Attachment usage hours
- Machine travel hours
- Machine load analysis
- Operating mode ratios

**Location and Asset Management**

KOMTRAX tells you where your machines are and can help prevent unauthorized use. KOMTRAX provides:

- GPS location/Operation maps
- Out-of-area and movement alert with location and time
- Engine, nighttime, and calendar lock

**Maintenance Management**

KOMTRAX monitors the health of your machines and provides critical information so that you, and your distributor, can take proactive maintenance measures and reduce downtime. KOMTRAX provides:

- Service Meter Reading (SMR)
- Cautions/Abnormality codes
- Maintenance replacement notifications

**Easy and Flexible Access to Information**

With KOMTRAX, information about your machines is through a convenient, internet-based portal. KOMTRAX provides:

- A user-friendly KOMTRAX website that provides customized access to your machine information
- E-mail and text alerts
- Web dial-up service
- Monthly fleet summary reports

For more information, including terms and conditions of the manufacturer complimentary KOMTRAX communication service, ask your distributor, pick up a KOMTRAX brochure, or go to www.komatsuamerica.com/komtrax.

**KOMTRAX**

For construction and compact equipment.

**KOMTRAX Plus**

For production and mining class machines.
Komatsu is an industry leader in building reliable and technologically advanced machines. It is only fitting that we would provide superior Product Support. Komatsu and its distributors are focused on providing their customers unparalleled Product Support throughout the entire lifecycle of the machine. It’s called Komatsu CARE.

Komatsu CARE – Complimentary Scheduled Maintenance
Komatsu remains focused on lowering the customer’s ownership costs by engineering machines with increased fuel efficiency and productivity. In addition, one Komatsu CARE program aimed at further reducing your owning and operating costs is Complimentary Scheduled Maintenance. Komatsu machine owners can now rely on their Komatsu Distributor to perform the preventative maintenance on their Komatsu Tier 4 machines.
- Complimentary scheduled maintenance for the earlier of 3 years or 2,000 hours is standard on all Komatsu Tier 4 construction machines and is available at all distributors in the U.S. and Canada.
- Service is performed by factory certified technicians using only Komatsu Genuine parts and fluids
- Significantly lowers your cost of ownership while maintaining high equipment uptime and reliability
- Increases resale value and provides detailed maintenance records

Komatsu CARE – Extended Coverage
Komatsu equipment is built to withstand harsh operating environments, but our Extended Coverage can provide further peace of mind by protecting customers from unplanned expenses and impacts in cash flow. Purchasing Komatsu CARE’s Extended Coverage locks-in the cost of covered parts and labor for the extended warranty period and helps to turn these variable expenses into a fixed cost.
- No Stop Loss or Loss Limits imposed, regardless of the coverage type or repair expense
- Any combination of months and hours out to five years and 10,000 engine hours – KOWA kits included
- Coverage premium can be rolled into the machine financing at time of sale or purchased any time before the expiration of the machine’s standard warranty
- Coverage is fully transferable and honored by all Komatsu distributors throughout the U.S. and Canada

Komatsu CARE – Total CARE
Total CARE combines the benefits of the Komatsu CARE Scheduled Maintenance and Extended Coverage programs on your Tier 4 machine. This ensures the use of Komatsu genuine parts and fluids during regular maintenance intervals as well as highly skilled and efficient technicians to perform any other warranty repair work that might be necessary to keep your Komatsu equipment running like new.

Komatsu Parts Support
Because downtime can be costly, Komatsu maintains a strategic distribution network throughout the U.S. and Canada, to ensure superior parts availability and to keep your Komatsu machine up and running.
- Komatsu America has nine Parts Distribution Centers strategically located throughout the U.S. and Canada
- Komatsu America’s Parts distribution network is accessible 24/7/365 to fulfill your parts needs
- Komatsu has a distributor network of over 325 locations across the U.S. and Canada
- Online parts ordering available through Komatsu eParts, 24/7/365. (See distributor for details)
- Komatsu offers a full line of factory Remanufactured products with same-as-new warranties at a significant cost reduction:
  1. Complete Engine Assemblies
  2. Transmissions
  3. Torque Converters
  4. Hydraulic components
  5. Starters, Alternators, turbochargers and circuit boards

Komatsu Oil and Wear Analysis (KOWA)
The KOWA program uses independent laboratories across the United States to determine how your machine is performing based on a small sample of oil or other fluid. Just like a doctor will take a blood test to check on your personal health, KOWA allows you to check how your equipment is performing. Used with PM Clinic and PM Tune Up, KOWA is one of your best tools for proactively maintaining your Komatsu equipment and maximizing it’s availability and performance.

KOWA detects fuel dilution and coolant leaks, identifies contaminants, and measures wear-metals. Your distributor will help you interpret this information so you can identify potential problems and head them off before they lead to major repairs.

For more information of all of the manufacturer sponsored programs mentioned in this brochure, including terms and conditions of the individual programs, please speak with your distributor or go to www.komatsuamerica.com
**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
Stroke: 124 mm
Piston displacement: 6.69 ltr

Horsepower:
- SAE J1995: Gross 141 kW (189 HP)
- ISO 9249 / SAE J1349: Net 132 kW (177 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: Hydramind (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
- 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 (5400 psi)
- Swing circuit: 28.9 MPa (4190 psi)
- Pilot circuit: 3.2 MPa (470 psi)

Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)

- Boom: 2 – 135 mm x 1335 mm x 95 mm
- Arm: 1 – 140 mm x 1635 mm x 100 mm
- Bucket: 1 – 130 mm x 1020 mm x 90 mm

### DRIVES AND BRAKES

Steering control: Two levers with pedals
Drive method: Hydrostatic
Maximum drawbar pull: 202 kN (20570 kg)
Gradeability: 70%, 35%

Maximum travel speed:
- (Auto-Shift): 5.5 km/h (3.4 mph)
- (Auto-Shift): 4.1 km/h (2.5 mph)
- (Auto-Shift): 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: 11.7 rpm
Swing torque: 8065 kg-m (58,334 ft lbs)

### UNDERCARRIAGE

Center frame: X-frame
Track frame: Box-section
Seal of track: Sealed track
Track adjuster: Hydraulic
Number of shoes (each side): 51
Number of carrier rollers (each side): 2
Number of track rollers (each side): 10

### COOLANT & LUBRICANT CAPACITY

Fuel tank: 400 ltr (105.7 U.S. gal)
Coolant: 36 ltr (9.5 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: 7.2 ltr (1.9 U.S. gal)
Hydraulic tank: 132 ltr (34.9 U.S. gal)
Hydraulic system: 241 ltr (63.7 U.S. gal)

### OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 5850 mm 19'2" one-piece boom, 3045 mm 10'0" arm, SAE hexed 1.2 m² bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

<table>
<thead>
<tr>
<th>Triple-Grouser Shoes</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 mm</td>
<td>24716 kg</td>
<td>0.43 kg/cm²</td>
</tr>
<tr>
<td>800 mm</td>
<td>25006 kg</td>
<td>0.38 kg/cm²</td>
</tr>
<tr>
<td>31.5&quot;</td>
<td>55,129 lb</td>
<td>5.4 psi</td>
</tr>
</tbody>
</table>

**Component Weights**

Arm including bucket cylinder and linkages:
- 3045 mm 10'0" arm assembly: 1222 kg (2694 lb)
- 3046 mm 10'0" HD arm assembly: 1318 kg (2906 lb)
- 3500 mm 11'6" arm assembly: 1442 kg (3179 lb)

One piece boom including arm cylinder:
- 5850 mm 19'2" boom assembly: 2219 kg (4892 lb)
- 5850 mm 19'2" HD boom assembly: 2325 kg (5126 lb)

Boom cylinders x 2: 210 kg (463 lb)

Counterweight: 4920 kg (10,847 lb)
- 1.2 m² 1.57 yd³ bucket - 42° width: 988 kg (2178 lb)
**DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>Arm Length</th>
<th>3045 mm</th>
<th>10'0&quot;</th>
<th>3500 mm</th>
<th>11'6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall length</td>
<td>9885 mm</td>
<td>32'5&quot;</td>
<td>9910 mm</td>
<td>32'6&quot;</td>
</tr>
<tr>
<td>B</td>
<td>Length on ground (transport)</td>
<td>5390 mm</td>
<td>17'8&quot;</td>
<td>4950 mm</td>
<td>16'3&quot;</td>
</tr>
<tr>
<td>C</td>
<td>Overall height (to top of boom)*</td>
<td>3185 mm</td>
<td>10'5&quot;</td>
<td>3270 mm</td>
<td>10'9&quot;</td>
</tr>
<tr>
<td>D</td>
<td>Overall width</td>
<td>3380 mm</td>
<td>11'1&quot;*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Overall height (to top of cab)*</td>
<td>3055 mm</td>
<td>10'0&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Overall height (to top of handrail)*</td>
<td>3150 mm</td>
<td>10'4&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Ground clearance, counterweight</td>
<td>1100 mm</td>
<td>3'7&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Ground clearance, minimum</td>
<td>440 mm</td>
<td>1'5&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Tail swing radius</td>
<td>2940 mm</td>
<td>9'8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Track length on ground</td>
<td>3845 mm</td>
<td>12'7&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Track length</td>
<td>4640 mm</td>
<td>15'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Track gauge</td>
<td>2580 mm</td>
<td>8'6&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Width of crawler</td>
<td>3380 mm</td>
<td>11'1&quot;*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Shoe width</td>
<td>800 mm</td>
<td>31.5&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Grouser height</td>
<td>26 mm</td>
<td>1.0&quot;</td>
<td></td>
<td></td>
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| *: Including grouser height  
**: Including handrail |

**BACKHOE BUCKET, ARM AND BOOM COMBINATION**

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<th>Bucket Capacity</th>
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V - Used with material weights up to 3,500 lb/yd³  
W - Used with material weights up to 3,000 lb/yd³  
X - Used with material weights up to 2,500 lb/yd³  
Y - Used with material weights up to 2,000 lb/yd³  
Z - Not useable
**Arm Length**

- Max. digging height: 10000 mm / 32'10" 10300 mm / 33'10"
- Max. dumping height: 7035 mm / 23'1" 7360 mm / 24'2"
- Max. digging depth: 6920 mm / 22'8" 7320 mm / 24'0"
- Max. vertical wall digging depth: 6010 mm / 19'9" 6230 mm / 20'5"
- Max. digging depth for 8' level bottom: 6700 mm / 22'0" 7150 mm / 23'5"
- Max. digging reach: 10180 mm / 33'5" 10580 mm / 34'8"
- Max. digging reach at ground level: 10020 mm / 32'10" 10420 mm / 34'2"
- Min. swing radius: 3450 mm / 11'4" 3340 mm / 10'11"

**SAE rating**
- Bucket digging force at power max.: 152 kN / 17500 kg / 38,950 lb
- Arm crowd force at power max.: 119 kN / 129 kN

**ISO rating**
- Bucket digging force at power max.: 172 kN / 19000 kg / 42,200 lb
- Arm crowd force at power max.: 129 kN / 11200 kg / 24,900 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  
ζ: Rating at maximum reach

**Conditions:**  
• 5850 mm 19' 2" one-piece boom  
• Bucket: None  
• Lifting mode: On

**Arm:** 3045 mm 10'0"  
**Shoes:** 700 mm 28"  
**Unit:** kg lb

<table>
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<tr>
<th>B</th>
<th>A</th>
<th>1.5 m 5'</th>
<th>3.0 m 10'</th>
<th>4.6 m 15'</th>
<th>6.1 m 20'</th>
<th>7.6 m 25'</th>
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**Arm:** 3045 mm 10'0"  
**Shoes:** 800 mm 31.5"  
**Unit:** kg lb

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*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:  
- 5850 mm 19' 2" one-piece boom  
- Bucket: None  
- Lifting mode: On  

Arm: 3500 mm 11'6"  
Shoes: 700 mm 28"  
Unit: kg  

<table>
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<tr>
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Arm: 3500 mm 11'6"  
Shoes: 800 mm 31.5"  
Unit: lb  

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</tbody>
</table>

*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, 4920 kg \(10,847 \text{ lb}\)
- 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
  - 3045 mm 10’0” arm assembly
  - 3045 mm 10’0” HD arm assembly
  - 3045 mm 10’0” HD arm assembly with piping
  - 3500 mm 11’6” arm assembly
- Booms
  - 5850 mm 19’2” boom assembly
  - 5850 mm 19’2” HD boom assembly
  - 5850 mm 19’2” 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.