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
**WALK-AROUND**

**PC210LC-11**

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- 165 HP @ 2000 rpm
- 123 kW @ 2000 rpm

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- 0.50–1.20 m³

Photos may include optional equipment.
### PERFORMANCE & EFFICIENCY

**Enhanced Power Mode**
Enhanced engine and hydraulic pump control logic improves multi-function speed for up to 4% improved productivity.

**Komatsu Harmony**
All major components are designed and manufactured by Komatsu. A fully integrated design produces an efficient, reliable system.

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**A powerful Komatsu SAA6D107E-3 engine** provides a net output of 123 kW (165 HP). This engine is EPA Tier 4 Final emissions certified.

**Variable Geometry Turbocharger (VGT)** 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.

The KOMTRAX\textsuperscript{®} telematics system is standard on Komatsu equipment with no subscription fees. Using the latest wireless technology, KOMTRAX\textsuperscript{®} transmits valuable information such as location, utilization, and maintenance records to a PC or smartphone app. Custom machine reports are provided for identifying machine efficiency and operating trends. KOMTRAX\textsuperscript{®} also provides advanced machine troubleshooting capabilities by continuously monitoring machine health.

**Large LCD color monitor panel:**
- 7” high resolution screen
- Provides “Ecology 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.

**Handrails (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.
New Tier 4 Final Engine

The Komatsu SAA6D107E-3 engine is EPA Tier 4 Final emissions certified and provides exceptional performance and efficiency. 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 maintain T4 interim fuel consumption rates.

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.

Variable Geometry Turbocharger (VGT) system

The VGT system features proven Komatsu designed 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 PM emissions over the entire range of engine operating conditions. The Tier 4 Final engine has advanced fuel injection timing for reduced soot levels.

Enhanced Productivity
The PC 210LC-11’s P Mode provides improved performance in demanding applications.

Productivity

Up to 4% increase
(compared to the PC210LC-10 in standard P Mode)

P mode (90 degree swing truck loading)
Increased Work Efficiency

Powerful digging force

Functional digging force can be increased with use of the one-touch Power Max. function (up to 8.5 seconds of operation).

Maximum arm crowd force (ISO)

<table>
<thead>
<tr>
<th></th>
<th>101 kN(10.3t)</th>
<th>108 kN(11.0t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(with Power Max.)</td>
<td></td>
<td>7% UP</td>
</tr>
</tbody>
</table>

Maximum bucket digging force (ISO)

<table>
<thead>
<tr>
<th></th>
<th>138 kN(14.1t)</th>
<th>149 kN(15.2t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(with Power Max.)</td>
<td></td>
<td>8% UP</td>
</tr>
</tbody>
</table>

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

Working Mode Selection

The PC210LC-11 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). An enhanced Power Mode provides improved hydraulic power and faster cycle times for improved performance in demanding applications. 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.

<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 &amp; multifunction</td>
</tr>
<tr>
<td>E</td>
<td>Economy Mode</td>
<td>• Good cycle times with reduced fuel consumption</td>
</tr>
<tr>
<td>L</td>
<td>Lifting Mode/Fine Control</td>
<td>• Increased lifting power &amp; fine control</td>
</tr>
<tr>
<td>B</td>
<td>Breaker Mode</td>
<td>• One way flow for hydraulic breaker operation</td>
</tr>
<tr>
<td>ATT/P</td>
<td>Attachment Power Mode</td>
<td>• Two way flow with maximum power</td>
</tr>
<tr>
<td>ATT/E</td>
<td>Attachment Economy Mode</td>
<td>• Two way flow with most efficient fuel economy</td>
</tr>
</tbody>
</table>

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.

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.
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.

<table>
<thead>
<tr>
<th>Standard Equipment</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sliding window glass (left side)</td>
<td></td>
</tr>
<tr>
<td>Radio, ashtray</td>
<td></td>
</tr>
<tr>
<td>Remote intermittent wiper with windshield washer</td>
<td></td>
</tr>
<tr>
<td>Cigarette lighter</td>
<td></td>
</tr>
<tr>
<td>Opening &amp; closing skylight</td>
<td></td>
</tr>
<tr>
<td>Magazine box &amp; cup holder</td>
<td></td>
</tr>
<tr>
<td>Defroster (conform to the ISO standard)</td>
<td></td>
</tr>
<tr>
<td>One-touch storable front window lower glass</td>
<td></td>
</tr>
</tbody>
</table>
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 a 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.

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.

Indicators

- Auto-decelerator
- Working mode
- Travel speed
- Ecology gauge
- Camera display
- Engine coolant temperature gauge
- Hydraulic oil temperature gauge
- Fuel gauge
- DEF level gauge
- Service meter, clock
- Fuel consumption gauge
- Guidance icon
- Function switches
- Camera direction display
- DEF level caution lamp

Basic operation switches

- Auto-decelerator
- Working mode selector
- Travel speed selector
- Buzzer cancel
- Wiper
- Window washer
- Auto climate controls
**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.

**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, thus assisting operators with reducing total fuel consumption.

**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.
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

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

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

Fuel pre-filter with water separator
High efficiency primary fuel filter
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.

<table>
<thead>
<tr>
<th>Maintenance Item</th>
<th>Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil &amp; Engine oil filter</td>
<td>every 500 hours</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>every 5000 hours</td>
</tr>
<tr>
<td>Hydraulic oil filter</td>
<td>every 1000 hours</td>
</tr>
<tr>
<td>DEF pump filter</td>
<td>every 2000 hours</td>
</tr>
</tbody>
</table>

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 platform for easy access. DEF tank and pump are separated for improved service 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.

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.

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.

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.

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 handrails
- Seat belt caution indicator

Rear view camera
Rear view image on monitor
Rubber
Silicon Oil
Spring

PC210LC-11
KOMATSU PARTS & SERVICE SUPPORT

KOMATSU CARE Program Includes:
*The PC210LC-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 KDPF Exchange
The PC210LC-11 comes standard with 2 Complimentary KDPF Exchange Units for the first 5 Years (unlimited hours) Complimentary KDPF Exchange Units are provided at: The suggested KDPF Exchange Units Service Intervals of 4,500 hours and 9,000 hours during the first 5 years. End User must have authorized Komatsu distributor perform the removal and installation of the KDPF.

Complimentary SCR System Maintenance
The PC210LC-11 also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel exhaust fluid (DEF) system during the first 5 years--no hour limit--including: Factory recommended DEF tank flush and strainer cleaning at 4,500 hours and 9,000 hours.

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

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

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

* 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

✅ 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

✅ 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
- **Stroke**: 124 mm
- **Piston displacement**: 6.69 ltr
- **Horsepower**: ISO 9249 / SAE J1349, Net 122.8 kW / 165 HP
- **Fan at maximum speed**: Net 118.6 kW / 159 HP
- **Rated rpm**: 2000 rpm
- **Fan drive method for cooling radiator**: Mechanical with viscous fan clutch
- **Governor**: All-speed control, electronic
- **EPA Tier 4 Final emissions certified**

### HYDRAULICS

- **Type**: HydraulMind (Hydraulic Mechanical Intelligence) 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 380 kg/cm²
  - **Travel circuit**: 37.3 MPa 380 kg/cm²
  - **Swing circuit**: 28.9 MPa 295 kg/cm²
  - **Pilot circuit**: 2.3 MPa 33 kg/cm²
- **Hydraulic cylinders**:
  - **Boom**: 28" x 134" x 90" / 5.1" x 52.5" x 2.7"
  - **Arm**: 28" x 135" x 90" / 5.1" x 52.5" x 2.7"
  - **Bucket**: 115 mm x 120 mm / 4.5" x 4.7"

### 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

### 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

### COOLANT & LUBRICANT CAPACITY

#### FILLING

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

### SOUND PERFORMANCE

- **Exterior – ISO 6395**: 100 dB(A)
- **Operator – ISO 6396**: 66 dB(A)

### OPERATING WEIGHT

- **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.**

<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>24160 kg</td>
<td>0.47 kg/cm²</td>
</tr>
<tr>
<td>28&quot;</td>
<td>53,265 lb</td>
<td>6.7 psi</td>
</tr>
<tr>
<td>800 mm</td>
<td>24440 kg</td>
<td>0.42 kg/cm²</td>
</tr>
<tr>
<td>31.5&quot;</td>
<td>53,882 lb</td>
<td>5.9 psi</td>
</tr>
</tbody>
</table>

### Component Weights

- **Arm including bucket cylinder and linkage**
  - 9936 kg / 2,195 lb
  - 1200 kg / 2,594 lb

- **One piece boom including arm cylinder**
  - 9936 kg / 2,195 lb
  - 1200 kg / 2,594 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**

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>2525 mm</th>
<th>9’7”</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall length</td>
<td>9705 mm</td>
</tr>
<tr>
<td>B</td>
<td>Length on ground (transport)</td>
<td>5000 mm</td>
</tr>
<tr>
<td>C</td>
<td>Overall height (to top of boom)*</td>
<td>2859 mm</td>
</tr>
<tr>
<td>D</td>
<td>Overall width</td>
<td>3800 mm</td>
</tr>
<tr>
<td>E</td>
<td>Overall height (to top of cab)*</td>
<td>2845 mm</td>
</tr>
<tr>
<td>F</td>
<td>Overall height (to top of handrail)*</td>
<td>2955 mm</td>
</tr>
<tr>
<td>G</td>
<td>Ground clearance, counterweight</td>
<td>1065 mm</td>
</tr>
<tr>
<td>H</td>
<td>Ground clearance, minimum</td>
<td>440 mm</td>
</tr>
<tr>
<td>I</td>
<td>Tail swing radius</td>
<td>3020 mm</td>
</tr>
<tr>
<td>J</td>
<td>Track length on ground</td>
<td>3655 mm</td>
</tr>
<tr>
<td>K</td>
<td>Track length</td>
<td>4450 mm</td>
</tr>
<tr>
<td>L</td>
<td>Track gauge</td>
<td>2380 mm</td>
</tr>
<tr>
<td>M</td>
<td>Width of crawler</td>
<td>3080 mm</td>
</tr>
<tr>
<td>N</td>
<td>Shoe width</td>
<td>700 mm</td>
</tr>
<tr>
<td>O</td>
<td>Grouser height</td>
<td>26 mm</td>
</tr>
<tr>
<td>P</td>
<td>Machine height to top of counterweight</td>
<td>2250 mm</td>
</tr>
<tr>
<td>Q</td>
<td>Machine height to top of engine cover</td>
<td>2765 mm</td>
</tr>
<tr>
<td>R</td>
<td>Machine upper width</td>
<td>2850 mm</td>
</tr>
<tr>
<td>S</td>
<td>Distance, swing center to rear end</td>
<td>2990 mm</td>
</tr>
</tbody>
</table>

* Including grouser height

---

**BACKHOE BUCKET, ARM AND BOOM COMBINATION**

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity</th>
<th>Bucket Width</th>
<th>Bucket Weight</th>
<th>5.7 m (18’8”) Boom</th>
<th>2.9 m (9’10”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Komatsu TL</td>
<td>0.50 m³</td>
<td>0.66 yd³</td>
<td>610 mm</td>
<td>24”</td>
<td>605 kg</td>
</tr>
<tr>
<td></td>
<td>0.67 m³</td>
<td>0.88 yd³</td>
<td>762 mm</td>
<td>30”</td>
<td>689 kg</td>
</tr>
<tr>
<td></td>
<td>0.85 m³</td>
<td>1.11 yd³</td>
<td>914 mm</td>
<td>36”</td>
<td>780 kg</td>
</tr>
<tr>
<td></td>
<td>1.02 m³</td>
<td>1.34 yd³</td>
<td>1067 mm</td>
<td>42”</td>
<td>857 kg</td>
</tr>
<tr>
<td></td>
<td>1.20 m³</td>
<td>1.57 yd³</td>
<td>1219 mm</td>
<td>48”</td>
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- Used with material weights up to 3,500 lb/yd³ – Quarry/rock/high abrasion applications
- Used with material weights up to 3,000 lb/yd³ – Tough digging applications
- Used with material weights up to 2,500 lb/yd³ – General construction
- Used with material weights up to 2,000 lb/yd³ – Light materials applications
- Not useable
**SPECIFICATIONS**

**Arm Length** 2925 mm 9’7”

**Max. digging height** 10000 mm 32’10”

**Max. dumping height** 7110 mm 23’4”

**Max. digging depth** 6620 mm 21’9”

**Max. vertical wall digging depth** 5980 mm 19’7”

**Max. digging depth for 8’ level bottom** 6370 mm 20’11”

**Max. digging reach** 9875 mm 32’5”

**Max. digging reach at ground level** 9700 mm 31’10”

**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  
θ: Rating at maximum reach

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**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 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**
- 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
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 700 mm, 28"
- Sun visor
- Rain 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

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