Photos may include optional equipment
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.

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

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

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

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

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

Increased drawbar pull provides improved steering and maneuverability.

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

Large LCD color monitor panel:
- 7" high resolution screen
- Provides "Eco-Guidance" for fuel efficient operation
- Enhanced attachment control

Rearview monitoring system (standard)

Equipment Management Monitoring System (EMMS) continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

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

Komatsu designed and manufactured components

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

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.

Standard 10,406 lb (4720 kg) counterweight provides the same lifting performance as the PC200LC-8 (optional 7,937 lb 3600 kg counterweight is available).
**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 PC210LC-10 provides low noise operation using a low noise engine and methods that reduce noise at the source such as sound absorbing materials.

**Cooled Exhaust Gas Recirculation (EGR)**

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

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

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

**Large Digging Force**

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

- **Maximum arm crowd force (ISO):**
  - 101 kN (10.3 t) ➞ 108 kN (11.0 t) **7 % UP** (with Power Max.)
- **Maximum bucket digging force (ISO):**
  - 138 kN (14.1 t) ➞ 149 kN (15.2 t) **8 % UP** (with Power Max.)

* Measured with Power Max function, 3045 mm arm and ISO rating
**Efficient Hydraulic System**

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

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

**Reduced Up To 10% Fuel consumption**

*vs PC200LC-8*

Based on typical work pattern collected via KOMTRAX

**Large Displacement High Efficiency Pump**

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

**Idling Caution**

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

---

**Working Mode Selection**

The PC210LC-10 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC210LC-10 features a new mode (ATT/E) which allows operators to run attachments while in Economy mode.

<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</td>
<td>• Optimum engine rpm, hydraulic flow, 2-way</td>
</tr>
<tr>
<td></td>
<td>Power mode</td>
<td>• Power mode</td>
</tr>
<tr>
<td>ATT/E</td>
<td>Attachment</td>
<td>• Optimum engine rpm, hydraulic flow, 2-way</td>
</tr>
<tr>
<td></td>
<td>Economy mode</td>
<td>• Economy mode</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 PC210LC-10 uses grease sealed tracks for extended undercarriage life.

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

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

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.

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.

Highly Reliable Electronic Devices
Exclusively designed electronic devices have passed severe testing.
- Controllers
- Sensors
- Connectors
- Heat Resistant Wiring

O-Ring Face Seals
Flat face-to-face O-ring seals are used to securely seal hydraulic hose connections.
Newly Designed Wide Spacious Cab
The newly designed wide spacious cab features a high back, fully adjustable seat with a reclining backrest. The console and seat have an integrated design so that they move together and provide additional comfort for the operator.

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

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

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

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

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

Low Vibration with Viscous Cab Mounts
The PC210LC-10 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator’s seat.

Auxiliary Input (MP3 Jack)
By connecting an auxiliary device such as an MP3 player to the auxiliary input, the operator can hear the sound through the speakers installed in the cab.
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 PC210LC-10 is capable of storing up to ten different attachments in the new monitor panel. The name of each attachment can be changed for better tool management. Hydraulic flow rates can be easily adjusted for one-way and two-way flow attachments.

Large High Resolution LCD Monitor Panel

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

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

Indicators

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Engine water temperature gauge

Hydraulic oil temperature gauge
Fuel gauge
Eco-gauge
Fuel consumption gauge
Function switches menu

Basic operation switches

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

**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.

---

**Maintenance Features**

- **Engine oil & Engine oil filter**
  - every 500 hours

- **Hydraulic oil**
  - every 5000 hours

- **Hydraulic oil filter**
  - every 1000 hours

---

**Photos may include optional equipment**
Equipped with Eco-drain Valve
Minimizes ground contamination due to oil leakage when replacing the engine oil.

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.

Equipment Management Monitoring System (EMMS)
The PC210LC-10 features an advanced diagnostic system that continuously monitors the machine’s vital systems. EMMS tracks maintenance items, provides advanced troubleshooting tools, reduces diagnostic times, and displays error codes.
Through continuous monitoring, the EMMS helps identify issues before they become worse and allows the operator to concentrate on the work at hand.

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

Maintenance Tracking
When the machine approaches or exceeds the oil and filter replacement interval, the monitor panel will display lights to inform the operator.
**ROPS Cab Design**
The PC210LC-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.

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**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

---

**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.
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 aids in making repair or replacement decisions

**WHEN**
- Know when your machines are running or idling and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to know when maintenance was done and help you plan for future maintenance needs

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

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

**WHY**
- Knowledge is power - make informed decisions to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- Take control of your equipment - any time, anywhere

---

**Monthly Operational Analysis**

**Location/Hours/Working**

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

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

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

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

### ENGINE

Model: Komatsu SAA6D107E-2
Type: Water-cooled, 4-cycle, direct injection
Aspiration: Turbocharged, aftercooled, cooled EGR
Number of cylinders: 6
Bore: 107 mm 4.21"
Stroke: 124 mm 4.88"
Piston displacement: 6.69 ltr 408 in³

Horsepower:
SAE J1995: Gross 123 kW 165 HP
ISO 9249 / SAE J1349: Net 118 kW 158 HP

Rated rpm: 2000

Fan drive method for radiator cooling: Mechanical Governor

*EPA Tier 4 Interim and EU stage 3B emissions certified

### HYDRAULICS

Type: HydraulMind (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 pump
Pumps for: Boom, arm, bucket, swing, and travel circuits
Maximum flow: 475 ltr/min 125.5 gal/min
Supply for control circuit: Self-reducing valve

Hydraulic motors:
Travel: 2 x axial piston motors with parking brake
Swing: 1 x axial piston motor with swing holding brake

Relief valve setting:
Implement circuits: 37.3 MPa 380 kg/cm² 5,400 psi
Travel circuit: 28.9 MPa 295 kg/cm² 4,190 psi
Pilot circuit: 3.2 MPa 33 kg/cm² 470 psi

Hydraulic cylinders:

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

Boom: 2-130 mm x 1304 mm x 90 mm 5.1" x 52.5" x 3.5"
Arm: 1-135 mm x 1490 mm x 95 mm 5.3" x 58.7" x 3.7"
Bucket: 1-115 mm x 1120 mm x 80 mm 4.5" x 44.1" x 3.2"

### DRIVES AND BRAKES

Steering control: Two levers with pedals

Drive method: Hydrostatic

Maximum drawbar pull: 202 kN 20570 kg 45,349 lb

Gradeability: 70%, 35°

Maximum travel speed: High: 5.5 km/h 3.4 mph
(Auto-Shift) Mid: 4.1 km/h 2.5 mph
(Auto-Shift) Low: 3.0 km/h 1.9 mph

Service brake: Hydraulic lock

Parking brake: Mechanical disc brake

### SWING SYSTEM

Drive method: Hydrostatic

Swing reduction: Planetary gear

Swing circle lubrication: Grease-bathed

Service brake: Hydraulic lock

Holding brake/Swing lock: Mechanical disc brake

Swing speed: 12.4 rpm

Swing torque: 6900 kg•m 49,907 ft lbs

### UNDERCARRIAGE

Center frame: X-frame

Track frame: Box-section

Seal of track: Sealed track

Track adjuster: Hydraulic

Number of shoes (each side): 49

Number of carrier rollers (each side): 2

Number of track rollers (each side): 9

### COOLANT & LUBRICANT CAPACITY

Fuel tank: 400 ltr 105.7 U.S. gal

Coolant: 30.7 ltr 8.1 U.S. gal

Engine: 23.1 ltr 6.1 U.S. gal

Final drive, each side: 5.0 ltr 1.3 U.S. gal

Swing drive: 6.5 ltr 1.7 U.S. gal

Hydraulic tank: 132 ltr 34.9 U.S. gal

Hydraulic system: 234 ltr 61.8 U.S. gal

### OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 5700 mm 18’8” one-piece boom, 2925 mm 9’7” arm, SAE heaped 1.02 m³ 1.34 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>23323 kg</td>
<td>0.43 kg/cm²</td>
</tr>
<tr>
<td>28°</td>
<td>51,419 lb</td>
<td>6.2 psi</td>
</tr>
<tr>
<td>800 mm</td>
<td>23603 kg</td>
<td>0.38 kg/cm²</td>
</tr>
<tr>
<td>31.5°</td>
<td>52,036 lb</td>
<td>5.5 psi</td>
</tr>
</tbody>
</table>

### Component Weights

**Arm including bucket cylinder and linkage**
2900 mm 9’7” HD arm assembly: 1136 kg 2,505 lb
2900 mm 9’7” HD arm assembly w/piping: 1200 kg 2,646 lb

**One piece boom including arm cylinder**
5700 mm 18’8” boom assembly: 1885 kg 4,156 lb
5700 mm 18’8” HD boom assembly w/piping: 1953 kg 4,306 lb

Boom cylinders x 2: 205 kg 452 lb

Counterweight (standard): 4720 kg 10,406 lb

Counterweight (optional): 3600 kg 7,937 lb

1.02 m³ 1.34 yd³ bucket - 42” width: 857 kg 1,890 lb
## SPECIFICATIONS

### DIMENSIONS

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

* : Including grouser height
** : Including handrail

### BACKHOE BUCKET, ARM AND BOOM COMBINATION

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity</th>
<th>Width</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Komatsu TL</td>
<td>0.50 m³</td>
<td>610 mm</td>
<td>605 kg</td>
</tr>
<tr>
<td></td>
<td>0.67 m³</td>
<td>762 mm</td>
<td>689 kg</td>
</tr>
<tr>
<td></td>
<td>0.85 m³</td>
<td>914 mm</td>
<td>780 kg</td>
</tr>
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<td></td>
<td>1.02 m³</td>
<td>1067 mm</td>
<td>857 kg</td>
</tr>
<tr>
<td></td>
<td>1.20 m³</td>
<td>1219 mm</td>
<td>949 kg</td>
</tr>
<tr>
<td>Komatsu HP</td>
<td>0.50 m³</td>
<td>610 mm</td>
<td>652 kg</td>
</tr>
<tr>
<td></td>
<td>0.67 m³</td>
<td>762 mm</td>
<td>763 kg</td>
</tr>
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<td></td>
<td>0.85 m³</td>
<td>914 mm</td>
<td>868 kg</td>
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<td></td>
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<td>1067 mm</td>
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<td></td>
<td>1.20 m³</td>
<td>1219 mm</td>
<td>1066 kg</td>
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<tr>
<td>Komatsu HPS</td>
<td>0.50 m³</td>
<td>610 mm</td>
<td>724 kg</td>
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<tr>
<td></td>
<td>0.67 m³</td>
<td>762 mm</td>
<td>840 kg</td>
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<tr>
<td></td>
<td>0.85 m³</td>
<td>914 mm</td>
<td>962 kg</td>
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<td></td>
<td>1.02 m³</td>
<td>1067 mm</td>
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<td></td>
<td>1.20 m³</td>
<td>1219 mm</td>
<td>1193 kg</td>
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<tr>
<td>Komatsu HPX</td>
<td>0.50 m³</td>
<td>610 mm</td>
<td>824 kg</td>
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<td></td>
<td>0.67 m³</td>
<td>762 mm</td>
<td>939 kg</td>
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<tr>
<td></td>
<td>0.85 m³</td>
<td>914 mm</td>
<td>1061 kg</td>
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<tr>
<td></td>
<td>1.02 m³</td>
<td>1067 mm</td>
<td>1161 kg</td>
</tr>
<tr>
<td></td>
<td>1.20 m³</td>
<td>1219 mm</td>
<td>1293 kg</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity</th>
<th>Width</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Komatsu TL</td>
<td>0.66 yd³</td>
<td>24&quot;</td>
<td>1,334 lb</td>
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<tr>
<td></td>
<td>0.88 yd³</td>
<td>30&quot;</td>
<td>1,518 lb</td>
</tr>
<tr>
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<td>1.11 yd³</td>
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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 | 2925 mm | 9'7"'
--- | --- | ---
A | Max. digging height | 10000 mm | 32'10"
B | Max. dumping height | 7110 mm | 23'4"
C | Max. digging depth | 6620 mm | 21'9"
D | Max. vertical wall digging depth | 5980 mm | 19'7"
E | Max. digging depth for 8' level bottom | 6370 mm | 20'11"
F | Max. digging reach | 9875 mm | 32'5"
G | Max. digging reach at ground level | 9700 mm | 31'10"
H | Min. swing radius | 3040 mm | 10'0"

**SAE rating**

- Bucket digging force at power max.: 132 kN
- Arm crowd force at power max.: 103 kN

**ISO rating**

- Bucket digging force at power max.: 148 kN
- Arm crowd force at power max.: 108 kN
**LIFTING 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  
Cf: Rating at maximum reach

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

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

<table>
<thead>
<tr>
<th>A</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>
<th>9.1 m 30'</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
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<td>33100</td>
<td>23750</td>
<td>17800</td>
<td>15450</td>
</tr>
</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.*

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

<table>
<thead>
<tr>
<th>A</th>
<th>3.0 m 10'</th>
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**LIFTING CAPACITY WITH LIFTING MODE**

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

**Conditions:**
- 5700 mm 18' 8" one-piece boom
- Counterweight: 3600 kg 7,937 lb
- Bucket: None
- Lifting mode: On

---

### Conditions:
- 5700 mm 18' 8" one-piece boom
- Counterweight: 3600 kg 7,937 lb
- Bucket: None
- Lifting mode: On

### Ratings:
- **Arm:** 2900 mm 9' 7" HD
- **Shoes:** 700 mm 28"

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<tr>
<th>Unit</th>
<th>kg</th>
<th>lb</th>
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<tbody>
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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.**

### Ratings:
- **Arm:** 2900 mm 9' 7" HD
- **Shoes:** 800 mm 31.5"

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### STANDARD EQUIPMENT
- Alternator, 60 Ampere, 24V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auxiliary input (3.5mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valves
- Converter, (2) x 12V
- Counterweight, 4720 kg
- 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
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 800mm
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Travel alarm
- Working lights, 2 (boom and RH front)
- Working mode selection system

### OPTIONAL EQUIPMENT
- (1) additional rearview camera
- Arms
  - 2925 mm arm assembly
  - 2925 mm HD arm assembly
- Booms
  - 5700 mm boom assembly
  - 5700 mm HD boom assembly
- Cab guards
  - Full front guard, OPG Level 1
  - Full front guard, OPG Level 2
  - Bolt-on top guard, OPG Level 2
- Counterweight, 3600 kg
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Rain visor
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 700 mm
- Sun visor
- Straight travel pedal
- Track roller guards, full length
- Working light, front, one additional

### ATTACHMENT OPTIONS
- Grade control systems
- Hydraulic couplers
- Hydraulic kits, field installed
- Super long fronts
- PSM thumbs
- Rockland thumbs
- Vandalism protection guards with storage box

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