<table>
<thead>
<tr>
<th><strong>NET HORSEPOWER</strong></th>
<th><strong>OPERATING WEIGHT</strong></th>
<th><strong>BUCKET CAPACITY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>158 HP @ 2000 rpm</td>
<td>55,336–54,123 lb</td>
<td>0.66–1.57 yd³</td>
</tr>
<tr>
<td>116 kW @ 2000 rpm</td>
<td>24550–25100 kg</td>
<td>0.50–1.20 m³</td>
</tr>
</tbody>
</table>
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 116 kW 158 HP. This engine is EPA Tier 4 Interim.

Komatsu Variable Geometry Turbocharger (KVGT) uses a hydraulic actuator to provide proper 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.

Komatsu's Closed Center Load Sensing (CLSS) hydraulic system 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.

Large LCD color monitor panel:
- 7” high resolution screen
- Provides “Eco-Guidance” for fuel efficient operation
- Enhanced attachment control
- Aux jack and (2) 12V outlets

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)

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

Guardrails (standard) provide 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

Side by side cooler design provides easy access to service and clean the cooler assembly.
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 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 PC228USLC-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 Interim 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 PC228USLC-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, 2925 mm arm and ISO rating
Efficient Hydraulic System

The PC228USLC-10 uses a Closed Center Load Sensing (CLSS) hydraulic system that improves fuel efficiency and provides quick response to the operator’s demands.

The PC228USLC-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 4% Fuel consumption

vs PC228USLC-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 PC228USLC-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 PC228USLC-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, 1-way</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 Guidance

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

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.

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.

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

Grease Sealed Track
The PC228USLC-10 uses grease sealed tracks for extended undercarriage life.

Metal Guard Rings
The PC228USLCLC-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.

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. 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 Climate Control**
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 PC228USLC-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 PC228USLC-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
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. Eco-gauge
8. Fuel consumption gauge
9. Function switches menu

Basic operation switches

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

Attachment Setting Screen

Attachment Flow Screen
MAINTENANCE FEATURES

Side-by-side Cooling
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
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.

Soot trapped by and accumulated in the KDPF is removed by oxidizing it periodically and automatically.

Battery Disconnect Switch
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.

Efficient Maintenance Layout
With the left and right side service doors, it is easy to access major maintenance points from ground level. The fuel drain valve, engine oil filter and PTO oil filler are remote mounted, facilitating easy maintenance.

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.

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.

Slip Resistant Plates
Durable slip resistant plates help maintain excellent foot traction.
Equipment Management Monitoring System (EMMS)
The PC228USLC-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.

Maintenance Tracking
When the machine approaches or exceeds the oil and filter replacement interval, the monitor panel will display lights to inform the operator.

Rear View Monitoring System
The operator can view the area behind the machine via a color monitor screen with wide landscape view.

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.

Easily Accessible Pattern Change Valve
A standard pattern change valve is conveniently located at the front of the machine, making switching from ISO controls to backhoe controls quick and easy.

ROPS Cab Design
The PC228USLC-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.
**Short Implement Swing Radius**

The 2310 mm 7’7” boom raising angle of the PC228USLC-10 is larger than a conventional profile excavator, reducing the front implement swing radius.

**Short Tail Swing Radius**

A short tail swing radius allows the machine to work in more confined areas than a conventional excavator.

**Ideal For Confined Applications**

The PC228USLC-10 is an ideal machine for applications such as roadwork and demolition. The tight tail design minimizes the amount of overhang when swinging over the side. This allows a truck to be positioned closer to the machine to improve operator efficiency and allows the machine to work within one lane traffic.

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**True Tight Tail Performance**

The versatile PC228USLC-10 can fit into areas where a conventional machine cannot. The contoured cab design and convex sliding door allow the cab to swing within the same turning radius as the counterweight.

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**Minimum implement swing radius**

2310 mm 7’7”

**Tail swing radius only**

1810 mm 5’11”

730 mm 2’5”
shorter implement swing radius than the PC210LC-10

1130 mm 3’8”
shorter tail swing than the PC210LC-10

**Minimum implement swing radius**

2310 mm 7’7”

**Tail swing radius only**

1810 mm 5’11”

730 mm 2’5”
shorter implement swing radius than the PC210LC-10

1130 mm 3’8”
shorter tail swing than the PC210LC-10

* With 800mm shoe
GENERAL FEATURES

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.

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.

Seat Belt Caution Indicator
A warning indicator on the monitor appears when the seat belt is not engaged.

Access to the Upper Structure
Steps with toe guard and slip resistant plates aid in foot traction. Handrails are also conveniently located on the upper structure.
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 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
**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

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**Monthly Operational Analysis**

**Location/Hours/Working**

**Fleet Working Status**

For construction and compact equipment.

For production and mining class machines.
**ENGINE**

Model................................................................. Komatsu SAA6D107E-2*
Type................................................................. Water-cooled, 4-cycle, direct injection
Aspiration......................................................... Komatsu Variable Geometry Turbo air-to-air aftercooled
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 116 kW 158 HP

RPM: 2000

Governor.................................................................. All-speed control, electronic

Lubrication system:
- Method................................................................. Gear pump, force-lubrication
- Filter....................................................................... Full-flow

Air cleaner.................................................................. Air cleaner, double element and auto dust evacuator

*EPA Tier 4 Interim

**HYdraulICS**

Type ................................................................. HydraulMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valve and pressure compensated valve

Main pump:
- Type...................................................................... Variable capacity piston type
- Pumps for: Boom, arm, bucket, swing, and travel circuits
- Maximum flow...................................................... 475 ltr/min 125.5 gal/min

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

Relief valve setting:
- Travel................................................................. 37.7 MPa 380 kgf/cm² 5,400 psi
- Pilot circuit............................................................ 3.2 MPa 33 kgf/cm² 470 psi
- Implement circuits.................................................. 37.3 MPa 380 kgf/cm² 5,400 psi
- Swing circuit.......................................................... 29.4 MPa 299 kgf/cm² 4,264 psi

Hydraulic cylinders:
- Number of cylinders – bore x stroke x rod diameter
  - Boom 2–130 mm x 1385 mm x 90 mm 5.11" x 54.5" 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"

**SWING SYSTEM**

Driven by.............................................................. Hydraulic motor
- Swing reduction.................................................. Planetary gear
- Swing circle lubrication........................................ Grease-bathed
- Swing lock.......................................................... Mechanical disc brake
- Swing speed....................................................... 11.0 rpm
- Swing torque..................................................... 6656 kg-m 48,124 ft lbf

**UNDERCARRIAGE**

Center frame.......................................................... X-frame leg
- Track frame.......................................................... Box-section
- Track type............................................................ Sealed
- 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............................................................. 310 ltr 82 U.S. gal
- Radiator............................................................... 30 ltr 7.9 U.S. gal
- Engine................................................................. 23.1 ltr 6.1 U.S. gal
- Final drive, each side.............................................. 5.0 ltr 1.4 U.S. gal
- Swing drive.......................................................... 6.5 ltr 1.7 U.S. gal
- Hydraulic tank..................................................... 126 ltr 33.3 U.S. gal

**OPERATING WEIGHT (APPROXIMATE)**

Operating weight including 5700 mm 18'8" one-piece boom, 2925 mm 9'7" arm, SAE heaped 0.80 m³ 1 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>600 mm</td>
<td>24550 kg</td>
<td>50.7 kPa 0.52 kg/cm²</td>
</tr>
<tr>
<td>700 mm</td>
<td>24820 kg</td>
<td>43.9 kPa 0.45 kg/cm²</td>
</tr>
<tr>
<td>800 mm</td>
<td>25100 kg</td>
<td>38.8 kPa 0.40 kg/cm²</td>
</tr>
</tbody>
</table>

**WORKING FORCES**

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>2925 mm 9'7&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force at power max</td>
<td>149 kN</td>
</tr>
<tr>
<td>Arm crowd force at power max</td>
<td>108 kN</td>
</tr>
<tr>
<td>Bucket digging force at power max</td>
<td>138 kN</td>
</tr>
<tr>
<td>Arm crowd force at power max</td>
<td>101 kN</td>
</tr>
</tbody>
</table>

ISO rating | 15200 kg / 33,500 lb |
SAE rating | 14100 kg / 31,085 lb |

**DRIVES AND BRAKES**

Steering control.................................................. Two levers with pedals
- Drive method.................................................. Fully hydrostatic
- Maximum drawbar pull...................................... 202 kN 20600 lbf 45,410 lbf
- Maximum travel speed: High................................ 5.5 km/h 3.4 mph
  - Medium...................................................... 4.1 km/h 2.5 mph
  - Low.......................................................... 3.0 km/h 1.9 mph
- Service brake.................................................. Hydraulic lock
- Parking brake.................................................. Mechanical disc brake
**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>8920 mm</td>
<td>29'3&quot;*</td>
</tr>
<tr>
<td>B Length on ground (transport)</td>
<td>5030 mm</td>
<td>16'6&quot;*</td>
</tr>
<tr>
<td>C Overall height (to top of boom)</td>
<td>3040 mm</td>
<td>10'0&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>3065 mm</td>
<td>10'1&quot;</td>
</tr>
<tr>
<td>F Overall height (to top of handrail)*</td>
<td>3255 mm</td>
<td>10'8&quot;</td>
</tr>
<tr>
<td>G Ground clearance, counterweight</td>
<td>1075 mm</td>
<td>3'6&quot;</td>
</tr>
<tr>
<td>H Ground clearance, minimum</td>
<td>440 mm</td>
<td>1'5&quot;</td>
</tr>
<tr>
<td>I Tail swing radius</td>
<td>1810 mm</td>
<td>5'11&quot;</td>
</tr>
<tr>
<td>J Track length on ground</td>
<td>3655 mm</td>
<td>12'0&quot;</td>
</tr>
<tr>
<td>K Track length</td>
<td>4450 mm</td>
<td>14'7&quot;</td>
</tr>
<tr>
<td>L Track gauge</td>
<td>2380 mm</td>
<td>7'10&quot;</td>
</tr>
<tr>
<td>M Width of crawler</td>
<td>3180 mm</td>
<td>10'5&quot;</td>
</tr>
<tr>
<td>N Shoe width</td>
<td>800 mm</td>
<td>2'7&quot;</td>
</tr>
<tr>
<td>O Grouser height</td>
<td>26 mm</td>
<td>1&quot;</td>
</tr>
<tr>
<td>P Engine hood height*</td>
<td>2675 mm</td>
<td>8'9&quot;</td>
</tr>
<tr>
<td>Q Machine upper structure width**</td>
<td>2980 mm</td>
<td>9'9&quot;</td>
</tr>
<tr>
<td>R Distance, swing center to rear end</td>
<td>1810 mm</td>
<td>5'11&quot;</td>
</tr>
</tbody>
</table>

*: Including grouser height  **: Without mirror

**BACKHOE BUCKET, ARM AND BOOM COMBINATION**

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Bucket</th>
<th>Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Capacity</td>
<td>Width</td>
</tr>
<tr>
<td>Komatsu TL</td>
<td>0.50 m³</td>
<td>0.66 yd³</td>
</tr>
<tr>
<td></td>
<td>0.67 m³</td>
<td>0.88 yd³</td>
</tr>
<tr>
<td></td>
<td>0.85 m³</td>
<td>1.11 yd³</td>
</tr>
<tr>
<td></td>
<td>1.02 m³</td>
<td>1.34 yd³</td>
</tr>
<tr>
<td></td>
<td>1.20 m³</td>
<td>1.57 yd³</td>
</tr>
<tr>
<td>Komatsu HP</td>
<td>0.50 m³</td>
<td>0.66 yd³</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
### Productivity & Ecology Features

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<tr>
<th>Feature</th>
<th>Specifications</th>
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<td>Arm Length</td>
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<tr>
<td>A Max. digging height</td>
<td>10700 mm / 35'1&quot;</td>
</tr>
<tr>
<td>B Max. dumping height</td>
<td>7825 mm / 25'8&quot;</td>
</tr>
<tr>
<td>C Max. digging depth</td>
<td>6620 mm / 21'9&quot;</td>
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<tr>
<td>D Max. vertical wall digging depth</td>
<td>5980 mm / 19'7&quot;</td>
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<tr>
<td>E Max. digging depth for 8' level bottom</td>
<td>6370 mm / 20'11&quot;</td>
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<tr>
<td>F Max. digging reach</td>
<td>9875 mm / 32'5&quot;</td>
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<tr>
<td>G Max. digging reach at ground level</td>
<td>9700 mm / 31'10&quot;</td>
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<tr>
<td>H Min. swing radius</td>
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<td>SAE rating</td>
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<td>Bucket digging force at power max.</td>
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<td>Arm crown force at power max.</td>
<td>13500 kg / 29,675 lb</td>
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<td>Bucket digging force at power max.</td>
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<tr>
<td>Arm crown force at power max.</td>
<td>15200 kg / 33,497 lb</td>
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</table>

**Working Range**

![Diagram of working range](image-url)
### 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  
Φ:** Rating at maximum reach

**Conditions:**  
• 5700 mm 18' 1 one-piece boom  
• Bucket: 0.8 m³ 1.05 yd³  
• SAE heaped  
• Bucket weight: 635 kg 1,400 lb

#### Arm: 2900 mm 9'7"

<table>
<thead>
<tr>
<th>B</th>
<th>A 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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*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.*

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#### Arm: 2000 mm 9'7"

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STANDARD EQUIPMENT

- Alternator, 60 Ampere, 24V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auxiliary input (3.5 mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valve
- Converter, (2) x 12V
- Counterweight, 7220 kg 15,917 lb
- Dry type air cleaner, double element
- EMMS monitoring system
- Engine, Komatsu SAA4D107E-2
- Engine overheat prevention system
- Extended work equipment grease interval
- Fan guard structure
- Fuel system pre-cleaner 10 micron
- Hydraulic track adjusters
- KOMTRAX®
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1
- Pattern change valve (SO to BH control)
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame undercovers
- ROPS cab
- Seat belt, retractable, 76 mm 3"
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 600 mm 24"
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5kW
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Travel alarm
- Working lights, 2 cab
- Working mode selection system

OPTIONAL EQUIPMENT

- Cab guards
  - Full front guard, OPG Level 1
  - Full front guard, OPG Level 2
  - Bolt-on top guard, OPG Level 2
- Hydraulic control unit
  - 1 additional actuator
- Rain visor for cab
- Arms
  - 2925 mm 9'7" arm
  - 2925 mm 9'7" arm with piping
- Boom
  - 5700 mm 18'8" HD boom
  - 5700 mm 18'8" HD boom with piping
- Shoes
  - 600 mm 24" road liner
  - 600 mm 24" triple grouser
  - 700 mm 28" triple grouser
  - 800 mm 31.5" triple grouser
- Sun visor for cab
- Hydraulic Quick couplers
- Hydraulic kits, field installed

ATTACHMENT OPTIONS

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

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