

KOMATSU®

PC240LC-10

Tier 4 Interim Engine

PC240LC

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

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

BUCKET CAPACITY
0.76–1.85 yd³
0.58–1.41 m³



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

PC240LC

WALK-AROUND

PC240LC-10



Photos may include optional equipment

PC240LC-10

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FAST CYCLE TIMES & LOW FUEL CONSUMPTION

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

New engine and hydraulic pump control technology improves operational efficiency and lowers fuel consumption.

A powerful Komatsu SAA6D107E-2 engine provides a net output of 132 kW **177 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.

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



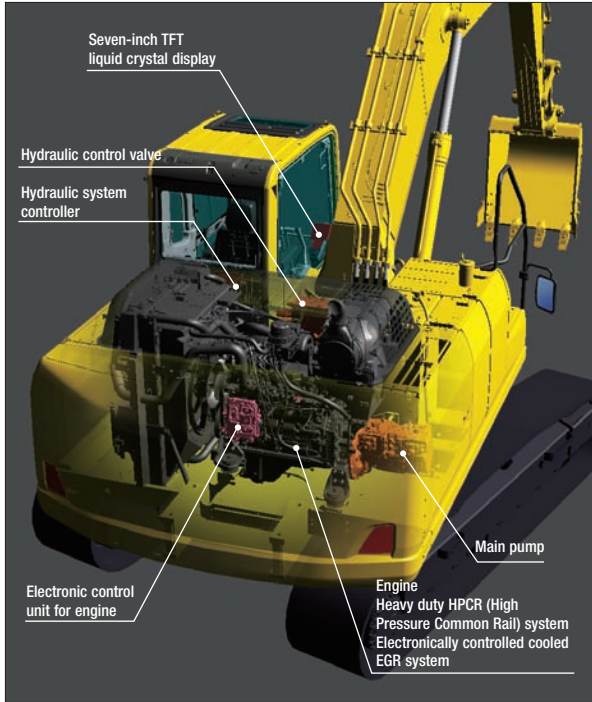
Guardrails (standard) located on the machine upper structure provide a convenient work area in front of the engine.

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.

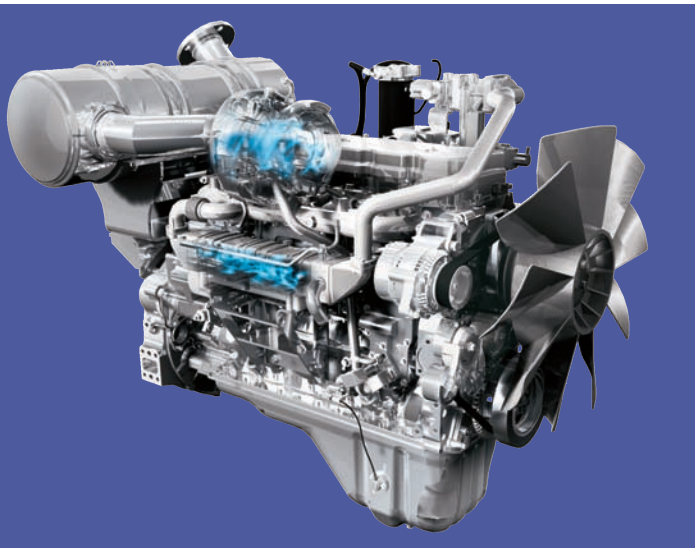
KOMTRAX®

Komtrax equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.



Advanced Electronic Control System

The engine control system has been upgraded to effectively manage the air flow rate, EGR gas flow rate, fuel injection parameters, and aftertreatment functions. The new control system also provides enhanced diagnostic capabilities.



Environment-Friendly Engine

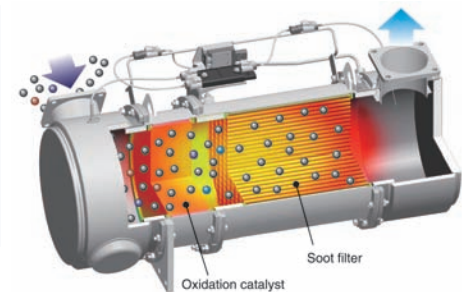
The Komatsu SAA6D107E-2 engine is EPA Tier 4 Interim and EU Stage 3B emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces exhaust gas particulate matter (PM) by more than 90% and nitrogen oxides (NOx) by more than 45% when compared to Tier 3 levels.

Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.

Komatsu Diesel Particulate Filter (KDPF)

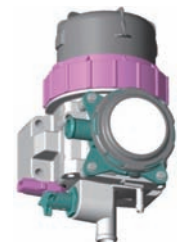
Komatsu has developed a high efficiency diesel particulate filter that captures more than 90% of particulate matter. Both passive and active regeneration are automatically initiated by the engine controller depending on the soot level of the KDPF. A special oxidation catalyst with a fuel injection system is used to oxidize and remove particulate matter while the machine is running so the regeneration process will not interfere with daily operation.

The operator can also initiate regeneration manually or disable regeneration depending on the work environment.



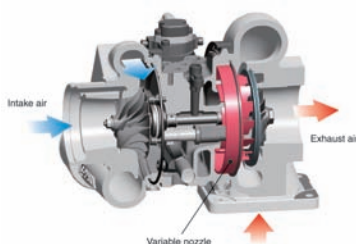
Closed Crankcase Ventilation (CCV)

Crankcase emissions (blow-by gas) are passed through a CCV filter. The CCV filter traps oil mist which is returned back to the crankcase while the gas, which is almost oil mist free, is fed back to the air intake.



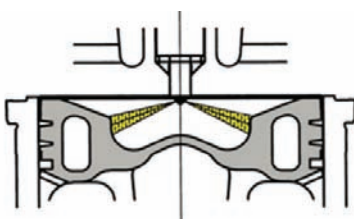
Komatsu Variable Geometry Turbocharger (KVG T)

Using Komatsu proprietary technology, a newly designed variable geometry turbocharger with a hydraulic actuator is used to manage and deliver optimum air flow to the combustion chamber under all speed and load conditions. The robust hydraulic actuator provides power and precision, resulting in cleaner exhaust gas and improved fuel economy while maintaining performance.



Redesigned Combustion Chamber

The combustion chamber located at the top of the engine piston has a new shape designed to improve combustion and further reduce NOx, PM, fuel consumption, and noise levels.

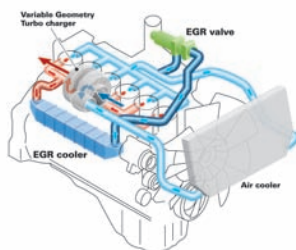


Low Operational Noise

The PC240LC-10 provides low noise operation using a low noise engine and methods that reduce noise at the source such as sound absorbing materials.

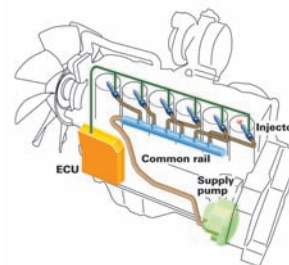
Cooled Exhaust Gas Recirculation (EGR)

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



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

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



Large Digging Force

The PC240LC-10 is equipped with the Power Max system. This function temporarily increases digging force for 8.5 seconds of operation.

Maximum arm crowd force (ISO):

121 kN (12.3 t) ➔ **129 kN (13.2 t)** **7 % UP**
(with Power Max.)

Maximum bucket digging force (ISO):

159 kN (16.2 t) ➔ **172 kN (17.5 t)** **8 % UP**
(with Power Max.)

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



Efficient Hydraulic System

The PC240LC-10 uses a Closed Center Load Sensing (CLSS) hydraulic system that improves fuel efficiency and provides quick response to the operator's demands.

The PC240LC-10 also introduces new technology to enhance the engine and hydraulic pump control. This total control system matches the engine and hydraulics at the most efficient point under any load condition. There have also been improvements in the main valve and hydraulic circuit to reduce hydraulic loss, resulting in higher efficiency and lower fuel consumption.

Reduced Up To 10% Fuel consumption

vs PC220LC-8
Based on typical work pattern collected via KOMTRAX

Large Displacement High Efficiency Pump

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



Idling Caution

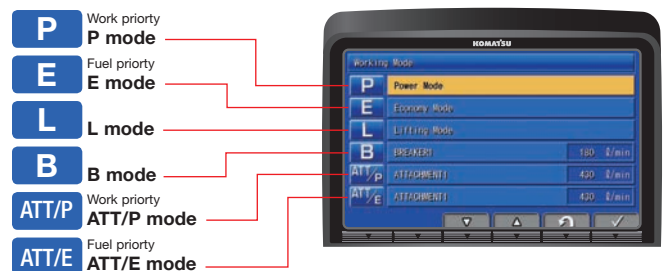
To reduce unnecessary fuel consumption, an idling caution is displayed on the monitor if the engine idles for 5 minutes or more.



Working Mode Selection

The PC240LC-10 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC240LC-10 features a new mode (ATT/E) which allows operators to run attachments while in Economy mode.

Working Mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none"> •Maximum production/power •Fast cycle times
E	Economy mode	<ul style="list-style-type: none"> •Good cycle times •Better fuel economy
L	Lifting mode	<ul style="list-style-type: none"> •Increases hydraulic pressure
B	Breaker mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow, 2-way •Power mode
ATT/E	Attachment Economy mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow, 2-way •Economy mode



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.



Fuel consumption gauge Eco-gauge

RELIABILITY FEATURES

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.

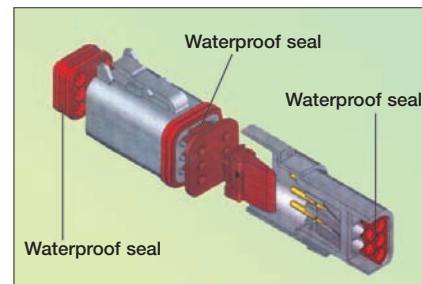


Durable Frame Structure

The revolving frame, center frame, and undercarriage are designed using the most advanced three dimensional CAD and FEM analysis technology.

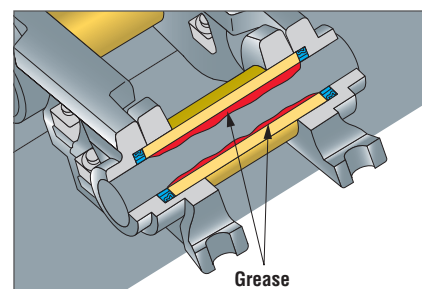
DT-type Connectors

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



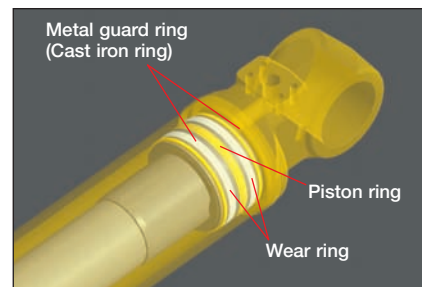
Grease Sealed Track

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



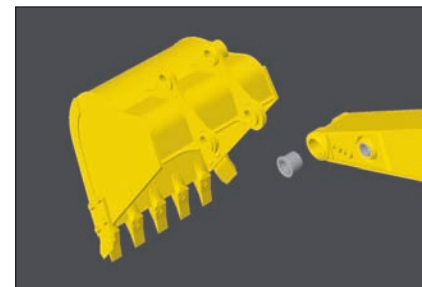
Metal Guard Rings

The PC240LC-10 uses metal guard rings to protect all of the hydraulic cylinders and improve long term reliability.



Durable Arm Tip Bushing

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



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

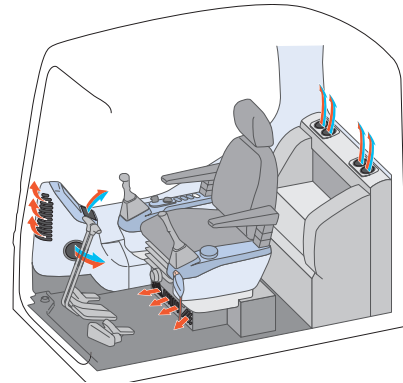


Low Cab Noise

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 Air Conditioner

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

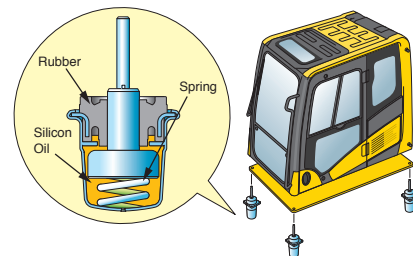


Pressurized Cab

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

Low Vibration with Viscous Cab Mounts

The PC240LC-10 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator's seat.



Auxiliary Input (MP3 Jack)

By connecting an auxiliary device such as an MP3 player to the auxiliary input, the operator can hear the sound through the speakers installed in the cab.





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 | 5 Hydraulic oil temperature gauge |
| 2 Working mode | 6 Fuel gauge |
| 3 Travel speed | 7 Eco-gauge |
| 4 Engine water temperature gauge | 8 Fuel consumption gauge |
| | 9 Function switches menu |

Basic operation switches

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

Basic operation switches

Function switches

Air conditioner operation switches

Operational "ECO" Guidance

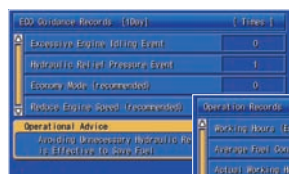
The monitor panel provides operational advice to the operator to help improve machine efficiency and lower fuel consumption. The operator can access the ECO guidance menu to check the Operation Records, Eco Guidance Records, and Average Fuel Consumption Logs.



ECO Guidance



ECO Guidance menu



ECO Guidance Records



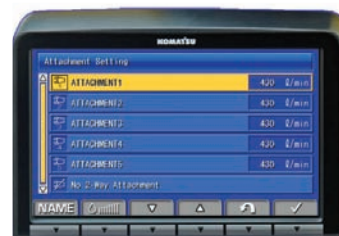
Operation Records



Average Fuel Consumption Logs

Improved Attachment Control

The PC240LC-10 is capable of storing up to ten different attachments in the new monitor panel. The name of each attachment can be changed for better tool management. Hydraulic flow rates can be easily adjusted for one-way and two-way flow attachments.



Attachment Setting Screen



Attachment Flow Screen

Easy Access Coolers

The radiator and oil cooler are side-by-side modules which simplifies cleaning, removing, and installing. The swing out cooler design provides easier access to the cooling cores.



KDPF Regeneration Notification

The LCD color monitor panel provides the operator with the status of the KDPF regeneration, without interfering with daily operation.

When the machine initiates active regeneration an icon will appear to notify the operator.



Battery Disconnect Switch

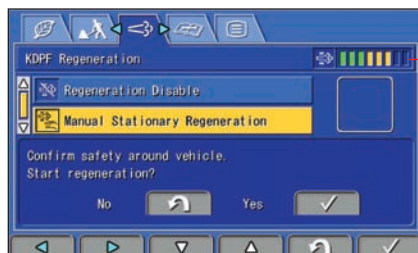
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.



Manual Stationary Regeneration

Under most conditions, active regeneration will occur automatically with no effect on machine operation. In case the operator needs to disable active regeneration or initiate a manual stationary regeneration, this can be easily accomplished through the monitor panel.

A soot level indicator is displayed to show how much soot is trapped in the KDPF.



Soot level indicator

Long Life Oils, Filters

High performance filters are used in the hydraulic circuit and engine. By increasing the oil and filter replacement intervals, maintenance costs can be significantly reduced.



Hydraulic oil filter (Eco-white element)

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

Hydraulic oil every **5000 hours**

Hydraulic oil filter every **1000 hours**

Extended Work Equipment Greasing Intervals

Special hard material is used for the work equipment bushings to lengthen the greasing intervals. All work equipment bushing lubrication intervals, except the arm tip and bucket linkage, are 500 hours, reducing maintenance costs.



Equipped with Eco-drain Valve

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



Equipment Management Monitoring System (EMMS)

The PC240LC-10 features an advanced diagnostic system that continuously monitors the machine's vital systems. EMMS tracks maintenance items, provides advanced troubleshooting tools, reduces diagnostic times, and displays error codes.

Through continuous monitoring, the EMMS helps identify issues before they become worse and allows the operator to concentrate on the work at hand.

Abnormalities Display with Code

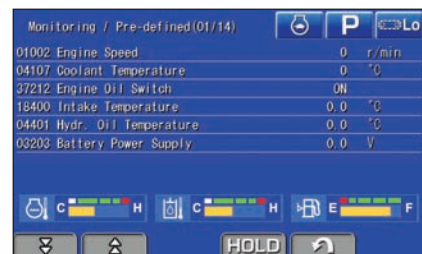
When an abnormality occurs an error code is displayed on the monitor. When an important code is displayed, a caution lamp blinks and warning buzzer sounds to alert the operator to take action.

The monitor also stores a record of abnormalities for more effective troubleshooting.



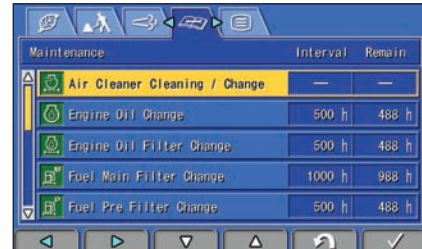
Advanced Monitoring System

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



Maintenance Tracking

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



ROPS Cab Design

The PC240LC-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.



Guardrails

Guardrails have been added on the upper structure of the machine. This provides additional convenience during engine service.



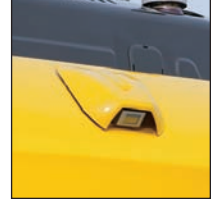
Thermal and Fan Guards

Thermal and fan guards are placed around high temperature parts of the engine and fan drive.



Rear-view Monitoring System (standard)

On the large LCD color monitor the operator can view the image from one camera that will display areas directly behind the machine. An optional 2-camera system is available.



Rear view image on monitor

Seat Belt Caution Indicator

A warning indicator on the monitor appears when the seat belt is not engaged.



Lock Lever

When the lock lever is placed in the lock position, all hydraulic controls (travel, swing, boom, arm, and bucket) are inoperable.



Secondary Engine Shutdown Switch

A new secondary switch has been added to shutdown the engine.



Slip Resistant Plates

Durable slip resistant plates maintain excellent foot traction



KOMTRAX EQUIPMENT WORKING ENVIRONMENT MONITORING



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

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

Fleet Optimization

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

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

Location and Asset Management

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

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

Maintenance Management

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

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

Easy and Flexible Access to Information

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

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

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

KOMTRAX®

For construction and compact equipment.

KOMTRAX Plus®

For production and mining class machines.

KOMATSU PARTS & SERVICE SUPPORT



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

Komatsu CARE – Complimentary Scheduled Maintenance

Komatsu remains focused on lowering the customer's ownership costs by engineering machines with increased fuel efficiency and productivity. In addition, one Komatsu CARE program aimed at further reducing your owning and operating costs is Complimentary Scheduled Maintenance. Komatsu machine owners can now rely on their Komatsu Distributor to perform the preventative maintenance on their Komatsu Tier 4 machines.

- Complimentary scheduled maintenance for the earlier of 3 years or 2,000 hours is standard on all Komatsu Tier 4 construction machines and is available at all distributors in the U.S. and Canada.
- Service is performed by factory certified technicians using only Komatsu Genuine parts and fluids
- Significantly lowers your cost of ownership while maintaining high equipment uptime and reliability
- Increases resale value and provides detailed maintenance records

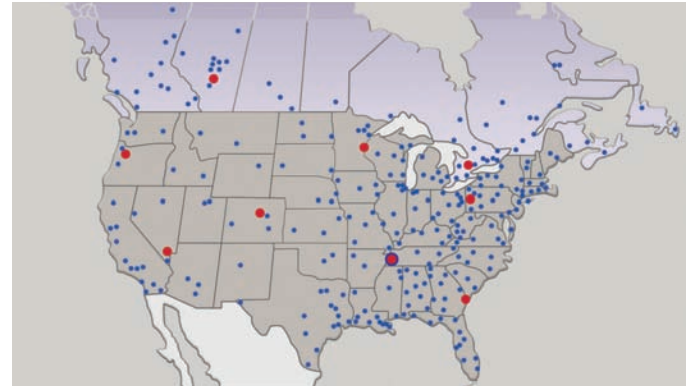
Komatsu CARE – Extended Coverage

Komatsu equipment is built to withstand harsh operating environments, but our Extended Coverage can provide further peace of mind by protecting customers from unplanned expenses and impacts in cash flow. Purchasing Komatsu CARE's Extended Coverage locks-in the cost of covered parts and labor for the extended warranty period and helps to turn these variable expenses into a fixed cost.

- No Stop Loss or Loss Limits imposed, regardless of the coverage type or repair expense
- Any combination of months and hours out to five years and 10,000 engine hours – KOWA kits included
- Coverage premium can be rolled into the machine financing at time of sale or purchased any time before the expiration of the machine's standard warranty
- Coverage is fully transferable and honored by all Komatsu distributors throughout the U.S. and Canada

Komatsu CARE – Total CARE

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



Komatsu Parts Support

Because downtime can be costly, Komatsu maintains a strategic distribution network throughout the U.S. and Canada, to ensure superior parts availability and to keep your Komatsu machine up and running.

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

Komatsu Oil and Wear Analysis (KOWA)

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

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

For more information of all of the manufacturer sponsored programs mentioned in this brochure, including terms and conditions of the individual programs, please speak with your distributor or go to www.komatsuamerica.com

SPECIFICATIONS



ENGINE

Model..... Komatsu SAA6D107E-2*
 TypeWater-cooled, 4-cycle, direct injection
 Aspiration..... Turbocharged, aftercooled, cooled EGR
 Number of cylinders..... 6
 Bore107 mm **4.21"**
 Stroke124 mm **4.88"**
 Piston displacement.....6.69 ltr **408 in³**
 Horsepower:
 SAE J1995.....Gross 141 kW **189 HP**
 ISO 9249 / SAE J1349 Net 132 kW **177 HP**
 Rated rpm..... 2000
 Fan drive method for radiator cooling..... Mechanical
 Governor..... All-speed control, electronic
 *EPA Tier 4 Interim and EU stage 3B emissions certified



HYDRAULICS

TypeHydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
 Number of selectable working modes 6
 Main pump:
 Type.....Variable displacement piston type
 Pumps for.....Boom, arm, bucket, swing, and travel circuits
 Maximum flow 475 ltr/min **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..... 37.3 MPa 380 kg/cm² **5,400 psi**
 Swing 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 . 2–135 mm x 1335 mm x 95 mm **5.3" x 52.6" x 3.7"**
 Arm ... 1–140 mm x 1635 mm x 100 mm **5.5" x 64.4" x 3.9"**
 Bucket.. 1–130 mm x 1020 mm x 90 mm **5.1" x 40.2" x 3.5"**



DRIVES AND BRAKES

Steering control..... Two levers with pedals
 Drive method Hydrostatic
 Maximum drawbar pull202 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 11.7 rpm
 Swing torque..... 8065 kg•m **58,334 ft lbs**



UNDERCARRIAGE

Center frame X-frame
 Track frameBox-section
 Seal of trackSealed track
 Track adjusterHydraulic
 Number of shoes (each side)..... 51
 Number of carrier rollers (each side) 2
 Number of track rollers (each side) 10



COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank 400 ltr **105.7 U.S. gal**
 Coolant 36 ltr **9.5 U.S. gal**
 Engine..... 23.1 ltr **6.1 U.S. gal**
 Final drive, each side.....5.0 ltr **1.3 U.S. gal**
 Swing drive 7.2 ltr **1.9 U.S. gal**
 Hydraulic tank..... 132 ltr **34.9 U.S. gal**
 Hydraulic system..... 241 ltr **63.7 U.S. gal**



OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 5850 mm **19'2"** one-piece boom, 3045 mm **10'0"** arm, SAE heaped 1.2 m³ **1.57 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
700 mm	24716 kg	0.43 kg/cm ²
28"	54,490 lb	6.1 psi
800 mm	25006 kg	0.38 kg/cm ²
31.5"	55,129 lb	5.4 psi

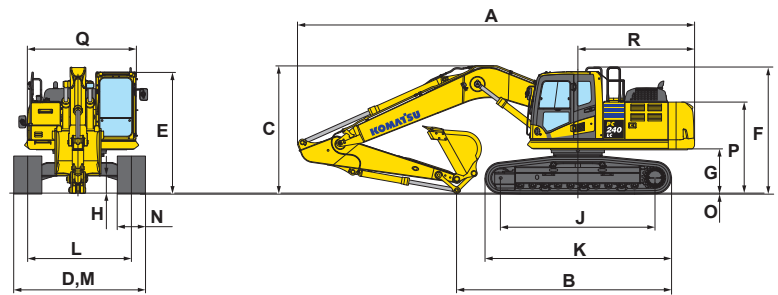
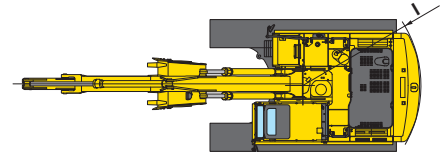
Component Weights

Arm including bucket cylinder and linkage
 3045 mm **10'0"** arm assembly 1222 kg **2,694 lb**
 3046 mm **10'0"** HD arm assembly 1318 kg **2,906 lb**
 3500 mm **11'6"** arm assembly 1442 kg **3,179 lb**
 One piece boom including arm cylinder
 5850 mm **19'2"** boom assembly 2219 kg **4,892 lb**
 5850 mm **19'2"** HD boom assembly 2325 kg **5,126 lb**
 Boom cylinders x 2 210 kg **463 lb**
 Counterweight 4920 kg **10,847 lb**
 1.2 m³ **1.57 yd³** bucket - 42" width..... 988 kg **2,178 lb**



DIMENSIONS

	Arm Length	3045 mm	10'0"	3500 mm	11'6"
A	Overall length	9885 mm	32'5"	9910 mm	32'6"
B	Length on ground (transport)	5390 mm	17'8"	4950 mm	16'3"
C	Overall height (to top of boom)*	3185 mm	10'5"	3270 mm	10'9"
D	Overall width	3380 mm	11'1"		
E	Overall height (to top of cab)*	3055 mm	10'0"		
F	Overall height (to top of handrail)*	3150 mm	10'4"		
G	Ground clearance, counterweight	1100 mm	3'7"		
H	Ground clearance, minimum	440 mm	1'5"		
I	Tail swing radius	2940 mm	9'8"		
J	Track length on ground	3845 mm	12'7"		
K	Track length	4640 mm	15'3"		
L	Track gauge	2580 mm	8'6"		
M	Width of crawler	3380 mm	11'1"		
N	Shoe width	800 mm	31.5"		
O	Grouser height	26 mm	1.0"		
P	Machine cab height	2265 mm	7'5"		
Q	Machine cab width **	2850 mm	9'4"		
R	Distance, swing center to rear end	2905 mm	9'6"		



*: Including grouser height
 **: Including handrail



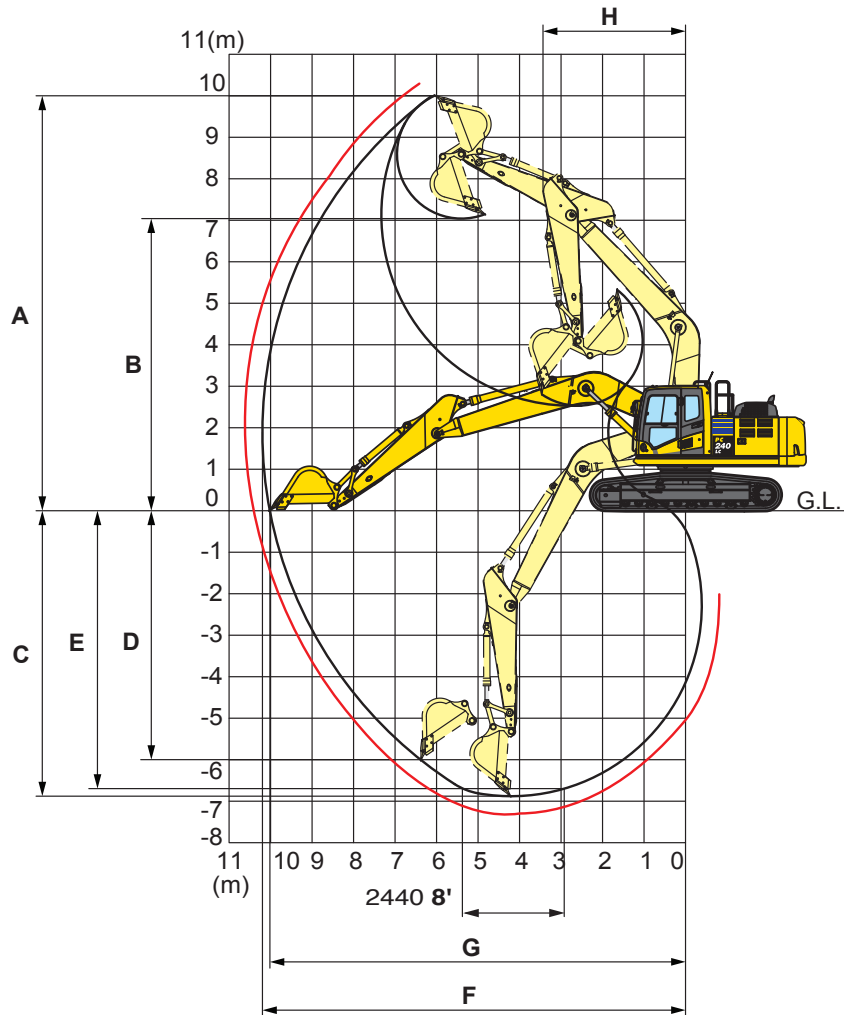
BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Type	Bucket						5.85 m (29'2") Boom	
	Capacity		Width		Weight		3.0 m (10'0")	3.5 m (11'6")
Komatsu TL	0.58 m ³	0.76 yd³	610 mm	24"	687 kg	1514 lb	V	V
	0.78 m ³	1.02 yd³	762 mm	30"	807 kg	1779 lb	V	V
	0.99 m ³	1.29 yd³	914 mm	36"	907 kg	2000 lb	V	V
	1.20 m ³	1.57 yd³	1067 mm	42"	949 kg	2178 lb	W	W
	1.41 m ³	1.85 yd³	1219 mm	48"	1045 kg	2399 lb	X	X
Komatsu HP	0.58 m ³	0.76 yd³	610 mm	24"	812 kg	1791 lb	V	V
	0.78 m ³	1.02 yd³	762 mm	30"	931 kg	2053 lb	V	V
	0.99 m ³	1.29 yd³	914 mm	36"	1054 kg	2323 lb	V	V
	1.20 m ³	1.57 yd³	1067 mm	42"	1154 kg	2545 lb	W	X
	1.41 m ³	1.85 yd³	1219 mm	48"	1278 kg	2817 lb	X	Y
Komatsu HPS	0.58 m ³	0.76 yd³	610 mm	24"	870 kg	1917 lb	V	V
	0.78 m ³	1.02 yd³	762 mm	30"	1020 kg	2248 lb	V	V
	0.99 m ³	1.29 yd³	914 mm	36"	1162 kg	2562 lb	V	V
	1.20 m ³	1.57 yd³	1067 mm	42"	1282 kg	2827 lb	W	X
	1.41 m ³	1.85 yd³	1219 mm	48"	1425 kg	3142 lb	Y	Y
Komatsu HPX	0.58 m ³	0.76 yd³	610 mm	24"	987 kg	2177 lb	V	V
	0.78 m ³	1.02 yd³	762 mm	30"	1138 kg	2508 lb	V	V
	0.99 m ³	1.29 yd³	914 mm	36"	1280 kg	2822 lb	V	W
	1.20 m ³	1.57 yd³	1067 mm	42"	1400 kg	3087 lb	X	X
	1.41 m ³	1.85 yd³	1219 mm	48"	1543 kg	3402 lb	Y	Y

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



WORKING RANGE

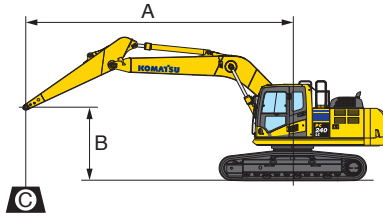


		3045 mm	10'0"	3500 mm	11'6"
A	Max. digging height	10000 mm	32'10"	10300 mm	33'10"
B	Max. dumping height	7035 mm	23'1"	7360 mm	24'2"
C	Max. digging depth	6920 mm	22'8"	7320 mm	24'0"
D	Max. vertical wall digging depth	6010 mm	19'9"	6230 mm	20'5"
E	Max. digging depth for 8' level bottom	6700 mm	22'0"	7150 mm	23'5"
F	Max. digging reach	10180 mm	33'5"	10580 mm	34'8"
G	Max. digging reach at ground level	10020 mm	32'10"	10420 mm	34'2"
H	Min. swing radius	3450 mm	11'4"	3340 mm	10'11"
SAE rating	Bucket digging force at power max.	152 kN		152 kN	
		15500 kg / 34,170 lb		15500 kg / 34,170 lb	
	Arm crowd force at power max.	119 kN		107 kN	
		12100 kg / 26,680 lb		10900 kg / 24,030 lb	
ISO rating	Bucket digging force at power max.	172 kN		172 kN	
		17500 kg / 38,580 lb		17500 kg / 38,580 lb	
	Arm crowd force at power max.	129 kN		110 kN	
		13200 kg / 29,100 lb		11200 kg / 24,690 lb	

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE



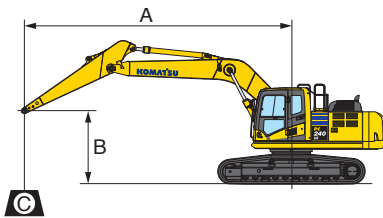
- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗ : Rating at maximum reach

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

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

B \ A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'							* 5950	* 5950			* 4700	* 4700
6.1 m 20'							* 13200	* 13200			* 10400	* 10400
4.6 m 15'					* 8000	* 8000	* 6400	* 6400	* 6900	4850	* 4450	* 4450
3.0 m 10'					* 17700	* 17700	* 15900	14900	* 15200	10700	* 9800	9500
1.5 m 5'					* 10700	9800	* 8450	6500	6850	4700	* 4600	3950
0 m 0'			* 7850	* 7850	* 23500	21700	* 18700	14300	15100	10400	* 10100	8700
-1.5 m -5'	* 8250	* 8250	* 12580	* 12850	14250	8800	9000	5900	6550	4450	6200	4200
-3.0 m -10'	* 18200	* 18200	* 28300	* 28300	31400	19400	19800	13100	14400	9800	13700	9300
-4.6 m -15'	* 13450	* 13450	* 19750	17300	14300	8850	9000	5950			7300	4950
	* 29700	* 29700	* 43600	38200	31500	19600	19900	13100			16100	10900
			* 17750	* 17750	* 12550	9100					* 9800	6750
			* 39100	* 39100	* 27700	20000					* 21600	14900

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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

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

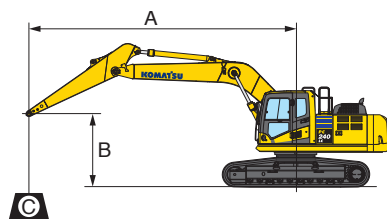
Arm: 3045 mm 10'0" Shoes: 800 mm 31.5" Unit: kg lb

B \ A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'							* 5950	* 5950			* 4700	* 4700
6.1 m 20'							* 13200	* 13200			* 10400	* 10400
4.6 m 15'					* 8000	* 8000	* 6400	* 6400	* 6900	4900	* 4450	4350
3.0 m 10'					* 17700	* 17700	* 15900	15000	* 15200	10800	* 9800	9600
1.5 m 5'					* 10700	9900	* 8450	6550	6900	4750	* 4600	4000
0 m 0'			* 7850	* 7850	* 23500	21900	* 18700	14400	15200	10500	* 10100	8800
-1.5 m -5'	* 8250	* 8250	* 12850	* 12850	14400	8900	9100	6000	6600	4500	6250	4250
-3.0 m -10'	* 18200	* 18200	* 28300	* 28300	31700	19600	20000	13200	14600	9900	13800	9400
-4.6 m -15'	* 13450	* 13450	* 19750	17500	14450	8950	9100	6000			7400	5000
	* 29700	* 29700	* 43600	38600	31900	19800	20100	13200			16300	11000
			* 17750	* 17750	* 12550	9200					* 9800	6850
			* 39100	* 39100	* 27700	20200					* 21600	15100

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



LIFTING CAPACITY WITH LIFTING MODE



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

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

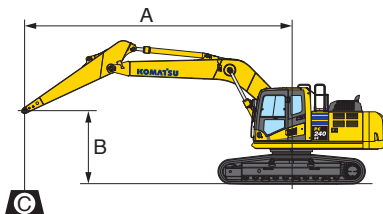
Arm: 3500 mm 11'6"

Shoes: 700 mm 28"

Unit: kg lb

B \ A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'							* 5500	* 5500			* 4000	* 4000
							* 12100	* 12100			* 8800	* 8800
6.1 m 20'							* 5650	* 5650	* 5100	4850	* 3850	* 3850
							* 12500	* 12500	* 11200	10700	* 8400	* 8400
4.6 m 15'							* 6500	* 6500	* 6300	4800	* 3800	* 3800
							* 14300	* 14300	* 13900	10500	* 8400	* 8400
3.0 m 10'			* 14650	* 14650	* 9600	* 9600	* 7750	6400	6750	4650	* 3950	* 3600
			* 32300	* 32300	* 21100	* 21100	* 17100	14200	14900	10200	* 8700	* 8000
1.5 m 5'					* 12250	9150	* 9150	6100	6600	4450	* 4200	3500
					* 27000	20100	* 20200	13400	14500	9800	* 9300	7700
0 m 0'			* 8750	* 8750	* 14000	8700	8900	5850	6450	4300	* 4650	3550
			* 19300	* 19300	* 30900	19200	19700	12900	14200	9500	* 10300	7800
-1.5 m -5'	* 7800	* 7800	* 12400	* 12400	13900	8500	8750	5700	6350	4250	* 5450	3800
	* 17200	* 17200	* 27400	* 27400	30700	18800	19300	12600	14000	9400	* 12000	8400
-3.0 m -10'	* 12050	* 12050	* 17850	16700	13950	8550	8750	5700			6500	4350
	* 26600	* 26600	* 39400	36900	30700	18800	19300	12600			14300	9600
-4.6 m -15'			* 18750	17150	* 13100	8750	8950	5850			8650	5700
			* 41300	37800	* 28900	19300	19700	12900			19100	12500

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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

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

Arm: 3500 mm 11'6"

Shoes: 800 mm 31.5"

Unit: kg lb

B \ A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'							* 5500	* 5500			* 4000	* 4000
							* 12100	* 12100			* 8800	* 8800
6.1 m 20'							* 5650	* 5650	* 5100	4900	* 3850	* 3850
							* 12500	* 12500	* 11200	10800	* 8400	* 8400
4.6 m 15'							* 6500	* 6500	* 6300	4850	* 3800	* 3800
							* 14300	* 14300	* 13900	10600	* 8400	* 8400
3.0 m 10'			* 14650	* 14650	* 9600	* 9600	* 7750	6500	6850	4650	* 3950	3650
			* 32300	* 32300	* 21100	* 21100	* 17100	14300	15100	10300	* 8700	8100
1.5 m 5'					* 12250	9200	* 9150	6150	6650	4500	* 4200	3550
					* 27000	20300	* 20200	13600	14700	9900	* 9300	7800
0 m 0'			* 8750	* 8750	* 14000	8800	9000	5900	6500	4350	* 4650	3600
			* 19300	* 19300	* 30900	19400	19900	13000	14300	9600	* 10300	7900
-1.5 m -5'	* 7800	* 7800	* 12400	* 12400	14100	8600	8850	5750	6450	4300	* 5450	3850
	* 17200	* 17200	* 27400	* 27400	31000	19000	19500	12700	14200	9500	* 12000	8400
-3.0 m -10'	* 12050	* 12050	* 17850	16900	14100	8650	8850	5750			6550	4400
	* 26600	* 26600	* 39400	37300	31100	19000	19500	12700			14500	9700
-4.6 m -15'			* 18750	17300	* 13100	8800	9050	5900			8750	5750
			* 41300	38200	* 28900	19500	19900	13100			19300	12700

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



STANDARD EQUIPMENT

- Alternator, 60 Ampere, 24V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auxiliary input (3.5mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom and arm holding valves
- Converter, (2) x 12V
- Counterweight, 4920 kg **10,847 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-2
- Engine overheat prevention system
- Extended work equipment grease interval
- Fan guard structure
- Fuel system pre-cleaner 10 micron
- High back air suspension seat, with heat
- Hydraulic track adjusters
- KOMTRAX® Level 4.0
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1
- Pattern change valve (ISO to BH control)
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame deck guard
- Revolving frame undercovers
- ROPS cab
- Seat belt, retractable, 76mm **3"**
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 800mm **31.5"**
- Skylight
- Slip resistant foot plates
- Starter motor, 5.5kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Travel alarm
- Working lights, 2 (boom and RH front)
- Working mode selection system



OPTIONAL EQUIPMENT

- (1) additional rearview camera
- Arms
 - 3045 mm 10'0" arm assembly
 - 3045 mm 10'0" HD arm assembly
 - 3045 mm 10'0" HD arm assembly with piping
 - 3500 mm 11'6" arm assembly
- Booms
 - 5850 mm 19'2" boom assembly
 - 5850 mm 19'2" HD boom assembly
 - 5850 mm 19'2" HD boom assembly with piping
- Cab guards
 - Full front guard, OPG Level 1
 - Full front guard, OPG Level 2
 - Bolt-on top guard, OPG Level 2
 - Lower front window guard
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Rain visor
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 700 mm 28"
- Sun visor
- Straight travel pedal
- Track roller guards, full length
- Working light, front, one additional



ATTACHMENT OPTIONS

- Cab air pre-cleaner
- Grade control systems
- Hydraulic couplers
- Hydraulic kits, field installed
- Super long fronts
- PSM thumbs
- Rockland thumbs
- Vandalism protection guards with storage box

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