

KOMATSU®

PC490LC-10

Tier 4 Interim Engine

PC490LC

NET HORSEPOWER

359 HP @ 1900rpm
268 kW @ 1900rpm

OPERATING WEIGHT

104,700–109,250 lb
47490–49555 kg

BUCKET CAPACITY

1.47–4.15 yd³
1.12–3.17 m³



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

PC490LC

WALK-AROUND

PC490LC-10



Photos may include optional equipment

PC490LC-10

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MORE POWER AND IMPROVED FUEL ECONOMY

A larger machine design and reinforced undercarriage

provide up to 10% more lift capacity, improved lateral stability, and added reliability.

New engine and hydraulic pump control technology

improves operational efficiency and lowers fuel consumption.

A powerful Komatsu SAA6D125E-6-A engine provides a net output of 268 kW **359 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 at a lower engine speed and efficient operation.

Two boom mode settings provide power mode for maximum digging force or smooth mode for fine grading operations.

Komatsu 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)

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

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)

Equipment Management Monitoring System (EMMS)

continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Komatsu designed and manufactured components



Hydraulically driven variable speed fan reduces parasitic load on the engine to improve fuel consumption and can be reversed to simplify cooler maintenance.

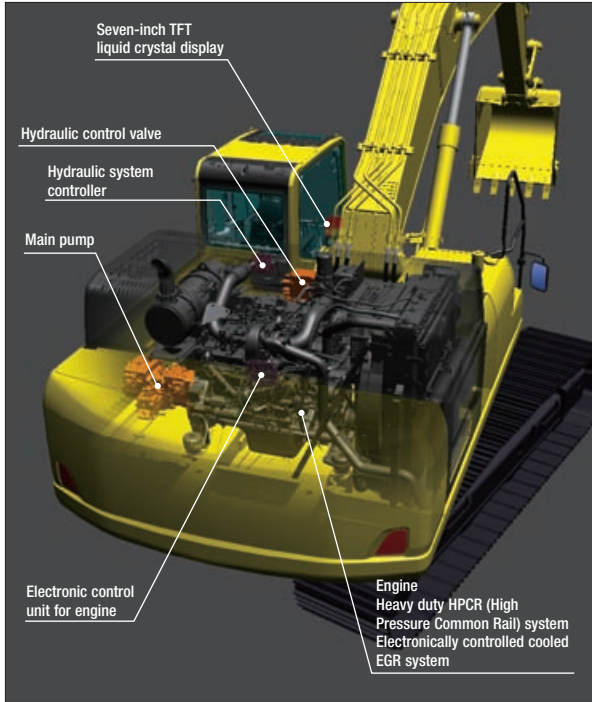
Guardrails (standard) located on the machine upper structure provide a convenient work area in front of the engine.

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

Heavy duty boom design with large one piece castings provide increased strength and reliability.

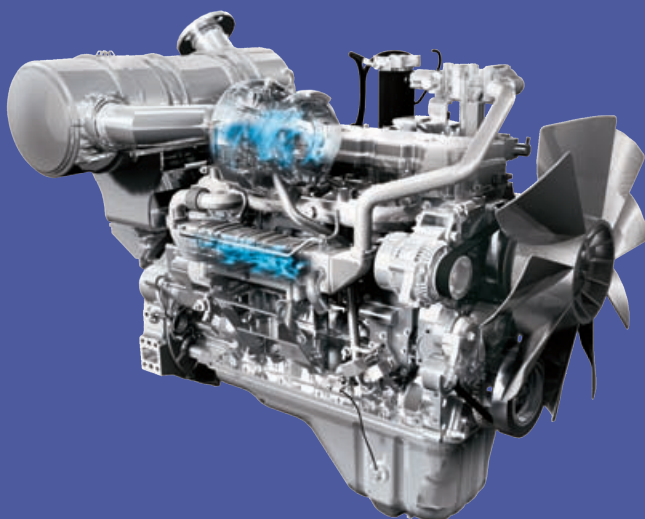
KOMTRAX®

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

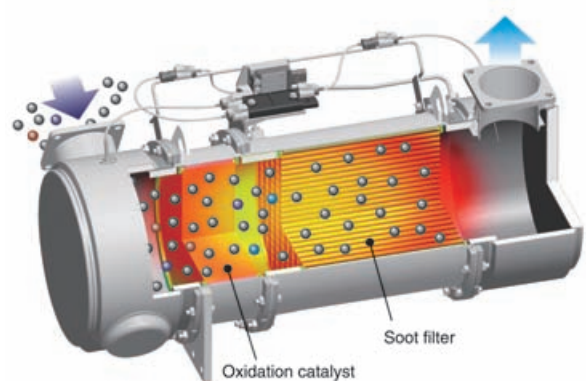
The Komatsu SAA6D125E-6-A engine is EPA Tier 4 Interim and EU Stage 3B emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces exhaust gas particulate matter (PM) by more 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)

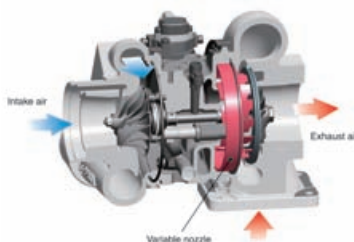
Komatsu has developed a high efficiency diesel particulate filter that captures more than 90% of particulate matter. Both passive and active regeneration are automatically initiated by the engine controller depending on the soot level of the KDPF. A special oxidation catalyst with a fuel injection system 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.



Komatsu Variable Geometry Turbocharger (KVTG)

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.



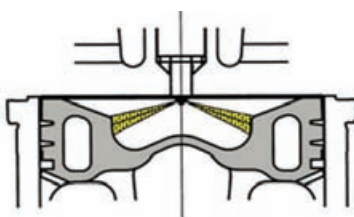
Closed Crankcase Ventilation (CCV)

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.



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.

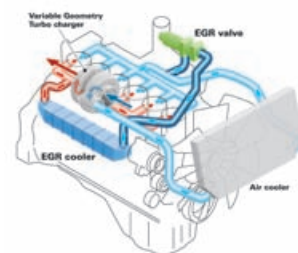


Low Operational Noise

The PC490LC-10 provides low noise operation using a low noise engine and methods that reduce noise at the source such as sound absorbing materials.

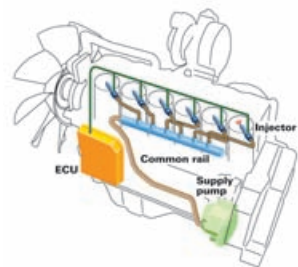
Cooled Exhaust Gas Recirculation (EGR)

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 PC490LC-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):

200 kN (20.4 t) ➔ **214 kN (21.8 t)** **7% UP**
(with Power Max.)

Maximum bucket digging force (ISO):

256 kN (26.1 t) ➔ **275 kN (28.0 t)** **7% UP**
(with Power Max.)

* Measured with Power Max function, 3380 mm arm and ISO rating

Efficient Hydraulic System

The PC490LC-10 uses a Closed Center Load Sensing (CLSS) hydraulic system that improves fuel efficiency and provides quick response to the operator's demands.

The PC490LC-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 5% Fuel consumption

vs PC450LC-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

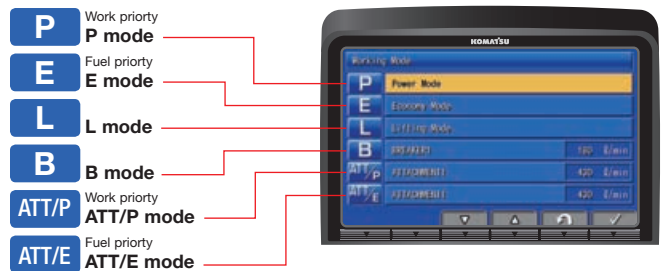
To reduce unnecessary fuel consumption, an idling caution is displayed on the monitor if the engine idles for 5 minutes or more.



Working Mode Selection

The PC490LC-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 PC490LC-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

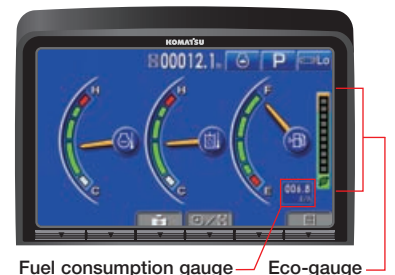


Lifting Mode

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

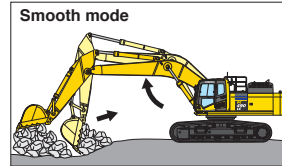
Hydraulic Variable Speed Fan

The electronic control system sets the revolution speed of the cooling fan according to the coolant, hydraulic oil, and ambient temperature; effectively uses the engine output to reduce wasteful fuel consumption; and reduces noise during low-speed fan revolution.

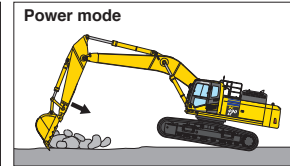


Two Boom Mode Settings

Smooth boom mode provides easy operation for gathering blasted rock or when scraping down. Power boom mode maximizes digging force for more effective excavating.



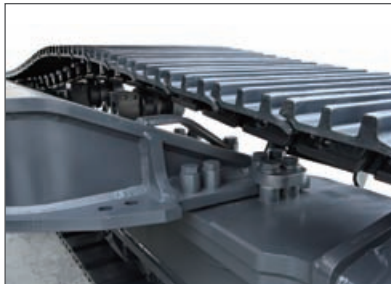
Boom floats upward, reducing lifting of the machine. This improves comfort while gathering blasted rock and scraping down.



Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

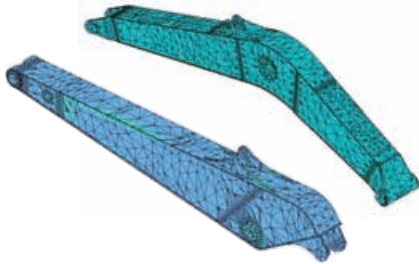
Variable Track Gauge (option)

Lateral stability is significantly increased when operating with the gauge extended (compared to fixed gauge). With track frames retracted, overall width complies with many local transportation regulations.



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. An HD boom assembly is offered for increased strength and reliability.



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.



Fuel filter Fuel pre-filter
(with water separator)

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.

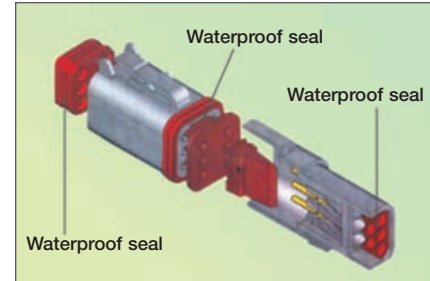


Durable Frame Structure

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

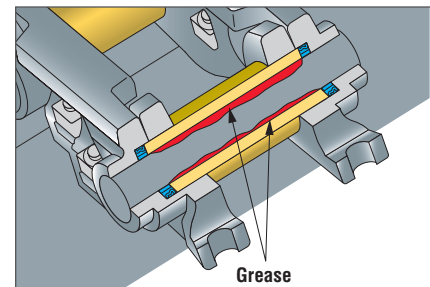
DT-type Connectors

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



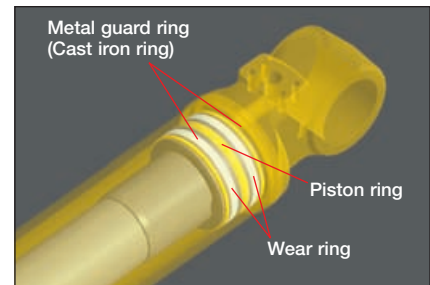
Grease Sealed Track

The PC490LC-10 uses grease sealed tracks for extended undercarriage life.



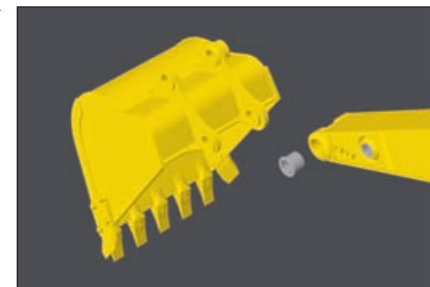
Metal Guard Rings

The PC490LC-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

A reinforced undercarriage design provides additional strength and reliability.



1 Counterweight: Heavier for increased lift capacity
+ 450 kg **992 lb**

2 Swing circle: Reinforced
Increased swing bearing capacity
(Increased diameter)

3 Track shoe: Reinforced
Increased link height and tread width
Diameter of pin and bushing is increased
Shoe thickness and bolt strength is increased

4 Final drive
Track frame bolt and sprocket mounting bolt have higher axial tension

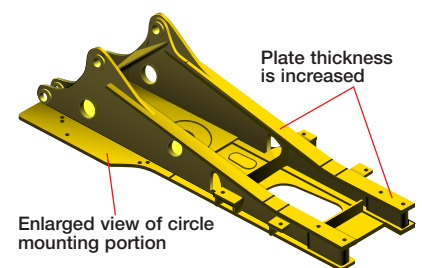
5 Sprocket
Material strength is increased
New tooth shape design

6 Center frame: Reinforced

7 Carrier rollers and idler: Reinforced
Increased tread width

8 Crawler frame: Reinforced

9 Revolving frame: Reinforced





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

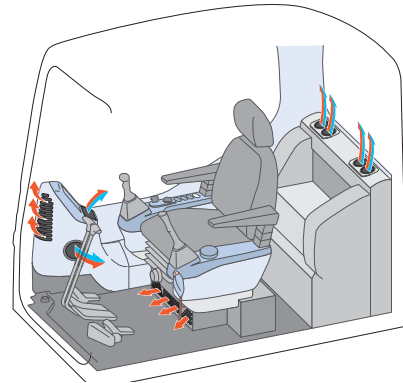


Low Cab Noise

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.

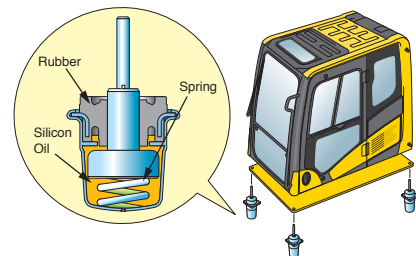


Pressurized Cab

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 PC490LC-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

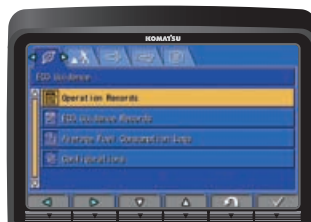
- | | |
|-------------------------|---------------------|
| 1 Auto-decelerator | 4 Buzzer cancel |
| 2 Working mode selector | 5 Wiper |
| 3 Traveling selector | 6 Windshield washer |

Operational "ECO" Guidance

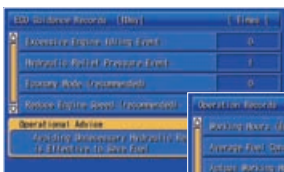
The monitor panel provides operational advice to the operator to help improve machine efficiency and lower fuel consumption. The operator can access the ECO guidance menu to check the Operation Records, Eco Guidance Records, and Average Fuel Consumption Logs.



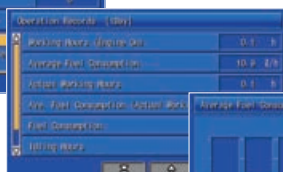
ECO Guidance



ECO Guidance menu



ECO Guidance Records



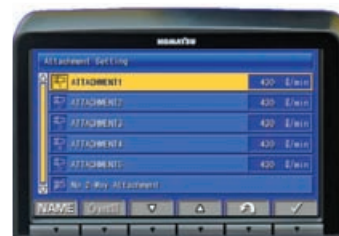
Operation Records



Average Fuel Consumption Logs

Improved Attachment Control

The PC490LC-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

Reversible Cooling Fan

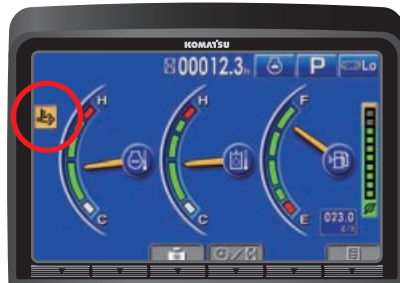
The reverse rotation function of the hydraulic driven fan simplifies cooler maintenance.



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

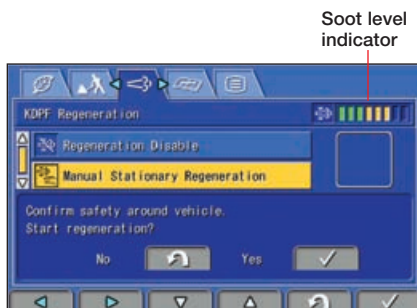
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.



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.



Electric Priming Pump

Bleeding air from the fuel system is easily accomplished with the new electric priming pump.

Equipment Management Monitoring System (EMMS)

The PC490LC-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.



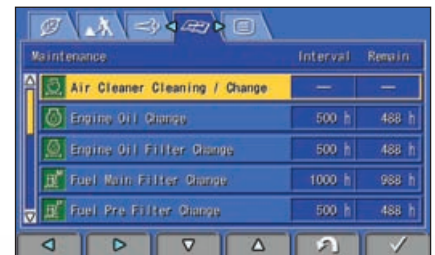
Advanced Monitoring System

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 PC490LC-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.



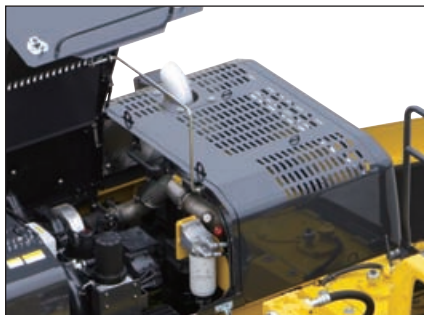
Guardrails

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

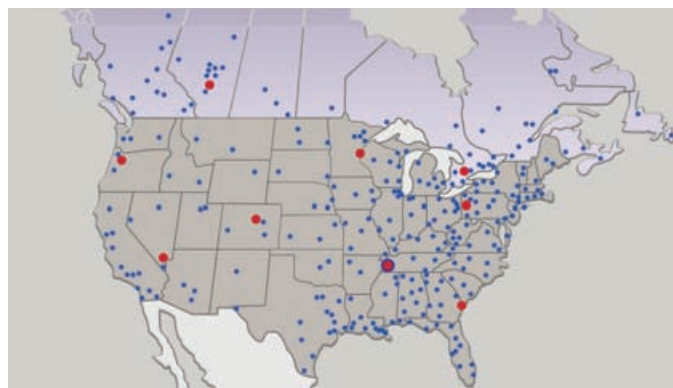
Komatsu CARE – Extended Coverage

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 SAA6D125E-6-A*
 Type.....Water-cooled, 4-cycle, direct injection
 Aspiration..... Turbocharged, aftercooled, cooled EGR
 Number of cylinders..... 6
 Bore.....125 mm **4.92"**
 Stroke.....150 mm **5.91"**
 Piston displacement.....11.04 ltr **674 in³**
 Horsepower:
 SAE J1995.....Gross 270 kW **362 HP**
 ISO 9249 / SAE J1349.....Net 268 kW **359 HP**
 Rated rpm.....1900
 Fan drive method for radiator cooling..... Hydraulic
 Governor..... All-speed control, electronic
 *EPA Tier 4 Interim and EU stage 3B emissions certified



HYDRAULICS

Type.....HydrauMind (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.....695 ltr/min **184 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.....27.9 MPa 285 kg/cm² **4,055 psi**
 Pilot circuit.....3.2 MPa 33 kg/cm² **470 psi**
 Hydraulic cylinders:
 (Number of cylinders – bore x stroke x rod diameter)
 Boom 2–160 mm x 1570 mm x 110 mm **6.3" x 61.8" x 4.3"**
 Arm.....1–185 mm x 1820 mm x 120 mm **7.3" x 71.7" x 4.7"**
 Bucket...1–160 mm x 1270 mm x 110 mm **6.3" x 50" x 4.3"**



DRIVES AND BRAKES

Steering control.....Two levers with pedals
 Drive method.....Hydrostatic
 Maximum drawbar pull.....329 kN 33560 kg **73,987 lb**
 Gradeability.....70%, 35°
 Maximum travel speed: High.....5.5 km/h **3.4 mph**
 (Auto-Shift) Mid.....4.2 km/h **2.6 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.....9.1 rpm
 Swing torque.....13414 kg•m **97,024 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).....8



COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank.....650 ltr **172 U.S. gal**
 Coolant.....44 ltr **11.6 U.S. gal**
 Engine.....38 ltr **10 U.S. gal**
 Final drive, each side.....11.0 ltr **2.9 U.S. gal**
 Swing drive.....20 ltr **5.3 U.S. gal**
 Hydraulic tank.....248 ltr **65.5 U.S. gal**
 Hydraulic system.....472 ltr **124.7 U.S. gal**



OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 7060 mm **23'2"** one-piece HD boom, 3380 mm **11'1"** arm, SAE heaped 2.25 m³ **2.94 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Fixed Gauge		Variable Gauge	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
700 mm 28"	47490 kg 104,700 lb	0.72 kg/cm ² 10.28 psi	48565 kg 107,070 lb	0.74 kg/cm ² 10.51 psi
800 mm 31.5"	47990 kg 105,800 lb	0.64 kg/cm ² 9.12 psi	49065 kg 108,170 lb	0.66 kg/cm ² 9.32 psi
900 mm 35.5"	48480 kg 106,880 lb	0.57 kg/cm ² 8.25 psi	49555 kg 109,250 lb	0.59 kg/cm ² 8.43 psi

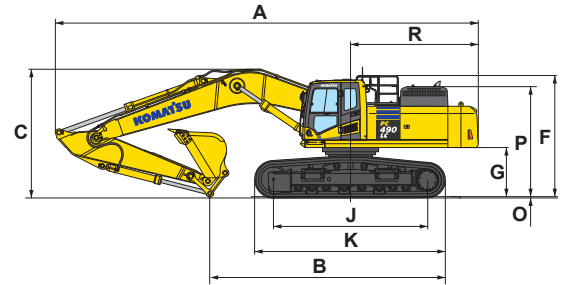
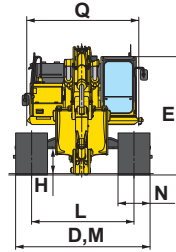
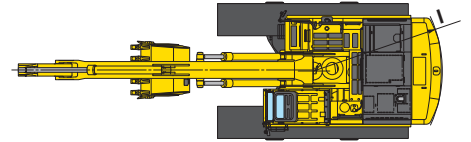
Component Weights

Arm including bucket cylinder and linkage
 3380 mm **11'1"** arm assembly.....2141 kg **4,720 lb**
 4000 mm **13'1"** arm assembly.....2408 kg **5,309 lb**
 4800 mm **15'9"** arm assembly.....2645 kg **5,831 lb**
 One piece HD boom including arm cylinder
 7060 mm **23'2"** boom assembly.....4017 kg **8,856 lb**
 Boom cylinders x 2.....366 kg **807 lb**
 Counterweight (standard).....9950 kg **21,936 lb**
 Counterweight (for removal system).....9010 kg **19,864 lb**
 2.25 m³ **2.94 yd³** bucket - 54" width.....1867 kg **4,117 lb**



DIMENSIONS

Arm Length	2900 mm	9'6"	3380 mm	11'1"	4000 mm	13'1"	4800 mm	15'9"
A Overall length	11995 mm	39'4"	11930 mm	39'2"	11950 mm	39'2"	11795 mm	38'8"
B Length on ground (transport)	7475 mm	24'6"	6705 mm	22'0"	6330 mm	20'9"	6035 mm	19'10"
C Overall height (to top of boom)*	3745 mm	12'3"	3635 mm	11'11"	3885 mm	12'9"	4435 mm	14'7"
D Overall width	3640 mm	11'11"						
E Overall height (to top of cab)*	3360 mm	11'0"						
F Overall height (to top of handrail)*	3450 mm	11'4"						
G Ground clearance, counterweight	1385 mm	4'7"						
H Ground clearance, minimum	550 mm	1'10"						
I Tail swing radius	3645 mm	12'0"						
J Track length on ground	4350 mm	14'3"						
K Track length	5385 mm	17'8"						
L Track gauge	2740 mm	9'0"						
M Width of crawler	3640 mm	11'11"						
N Shoe width	900 mm	35.5"						
O Grouser height	37 mm	1.5"						
P Machine cab height	3105 mm	10'2"						
Q Machine cab width **	3145 mm	10'4"						
R Distance, swing center to rear end	3605 mm	11'10"						
Variable Track Gauge Dimensions								
D1 Overall width (crawler extended)	3790 mm	12'5"						
D2 Overall width (crawler retracted)	3290 mm	10'10"						
H Ground clearance, minimum	700 mm	2'3"						
L Track gauge	2890 mm	9'6"						
M1 Width of crawler (crawler extended)	3790 mm	12'5"						
M2 Width of crawler (crawler retracted)	3290 mm	10'10"						
N Shoe width	900 mm	35.5"						



* : Including grouser height ** : Including handrail



BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Type	Bucket				7.0 m (23'2") HD Boom					
	Capacity		Width	Weight	2.4 m (7'10")	2.9 m (9'6")	3.4 m (11'1")	4.0 m (13'1")	4.8 m (15'9")	
Komatsu TL	1.12 m ³	1.47 yd³	762 mm	30"	1287 kg	2838 lb	V	V	V	V
	1.35 m ³	1.76 yd³	914 mm	36"	1441 kg	3176 lb	V	V	V	V
	1.64 m ³	2.15 yd³	1067 mm	42"	1561 kg	3442 lb	V	V	V	V
	1.94 m ³	2.54 yd³	1219 mm	48"	1714 kg	3779 lb	V	V	V	W
	2.25 m ³	2.94 yd³	1372 mm	54"	1867 kg	4117 lb	V	V	W	X
	2.55 m ³	3.34 yd³	1524 mm	60"	1988 kg	4382 lb	V	W	W	Y
	2.87 m ³	3.75 yd³	1676 mm	66"	2141 kg	4720 lb	W	X	X	Y
Komatsu HP	3.17 m ³	4.15 yd³	1829 mm	72"	2261 kg	4985 lb	X	X	Y	Z
	1.12 m ³	1.47 yd³	762 mm	30"	1508 kg	3324 lb	V	V	V	V
	1.35 m ³	1.76 yd³	914 mm	36"	1663 kg	3667 lb	V	V	V	V
	1.64 m ³	2.15 yd³	1067 mm	42"	1835 kg	4046 lb	V	V	V	V
	1.94 m ³	2.54 yd³	1219 mm	48"	1978 kg	4360 lb	V	V	V	X
	2.25 m ³	2.94 yd³	1372 mm	54"	2151 kg	4741 lb	V	V	W	Y
	2.55 m ³	3.34 yd³	1524 mm	60"	2293 kg	5056 lb	W	W	X	Y
Komatsu HPS	2.87 m ³	3.75 yd³	1676 mm	66"	2466 kg	5437 lb	X	X	Y	Z
	3.17 m ³	4.15 yd³	1829 mm	72"	2609 kg	5752 lb	Y	Y	Y	Z
	1.12 m ³	1.47 yd³	762 mm	30"	1632 kg	3597 lb	V	V	V	V
	1.35 m ³	1.76 yd³	914 mm	36"	1806 kg	3981 lb	V	V	V	V
	1.64 m ³	2.15 yd³	1067 mm	42"	2003 kg	4416 lb	V	V	V	V
Komatsu HPX	1.94 m ³	2.54 yd³	1219 mm	48"	2172 kg	4789 lb	V	V	V	X
	2.25 m ³	2.94 yd³	1372 mm	54"	2371 kg	5228 lb	V	V	W	Y
	2.55 m ³	3.34 yd³	1524 mm	60"	2540 kg	5600 lb	W	W	X	Z
	2.87 m ³	3.75 yd³	1676 mm	66"	2739 kg	6039 lb	X	X	Y	Z
	1.12 m ³	1.47 yd³	762 mm	30"	1759 kg	3877 lb	V	V	V	V
	1.35 m ³	1.76 yd³	914 mm	36"	1933 kg	4261 lb	V	V	V	V
	1.64 m ³	2.15 yd³	1067 mm	42"	2130 kg	4696 lb	V	V	V	W
Komatsu HPX	1.94 m ³	2.54 yd³	1219 mm	48"	2299 kg	5069 lb	V	V	V	X
	2.25 m ³	2.94 yd³	1372 mm	54"	2498 kg	5508 lb	V	X	W	Y
	2.55 m ³	3.34 yd³	1524 mm	60"	2667 kg	5880 lb	W	X	X	Z
	2.87 m ³	3.75 yd³	1676 mm	66"	2866 kg	6319 lb	X	X	Y	Z

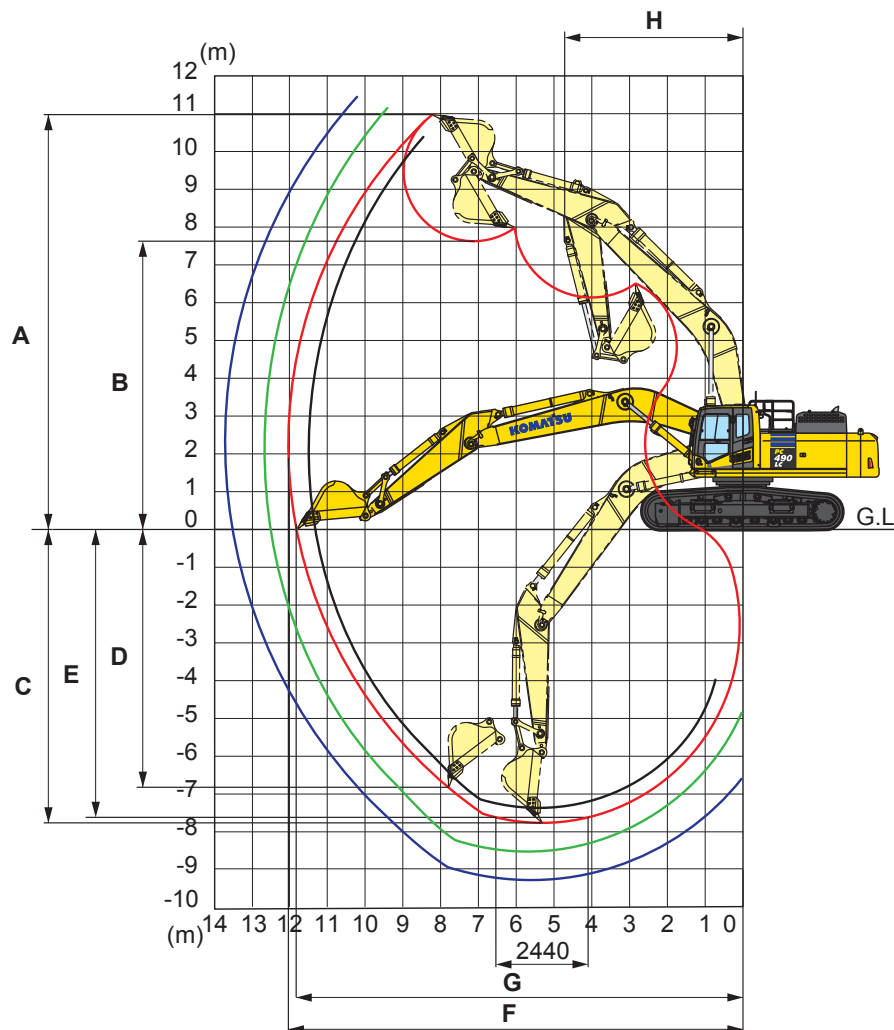
V - Used with material weights up to 3,500 lb/yd³
 X - Used with material weights up to 2,500 lb/yd³

W - Used with material weights up to 3,000 lb/yd³
 Y - Used with material weights up to 2,000 lb/yd³

Z - Not useable



WORKING RANGE

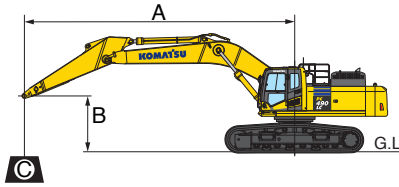


		2900 mm	3380 mm	4000 mm	4800 mm
		9'6"	11'1"	13'1"	15'9"
A	Max. digging height	10350 mm	10980 mm	11090 mm	11550 mm
B	Max. dumping height	7145 mm	7630 mm	7780 mm	8210 mm
C	Max. digging depth	7280 mm	7755 mm	8380 mm	9190 mm
D	Max. vertical wall digging depth	5635 mm	6805 mm	7220 mm	8085 mm
E	Max. digging depth for 8' level bottom	7090 mm	7615 mm	8250 mm	9080 mm
F	Max. digging reach	11445 mm	12030 mm	12565 mm	13365 mm
G	Max. digging reach at ground level	11230 mm	11810 mm	12365 mm	13180 mm
H	Min. swing radius	4810 mm	4735 mm	4800 mm	4885 mm
SAE rating	Bucket digging force at power max.	239 kN 24,400 kg / 53,790 lb	239 kN 24,400 kg / 53,790 lb	239 kN 24,400 kg / 53,790 lb	239 kN 24,400 kg / 53,790 lb
	Arm crowd force at power max.	245 kN 25000 kg / 55,120 lb	205 kN 20900 kg / 46,080 lb	184 kN 18800 kg / 41,450 lb	162 kN 16500 kg / 36,400 lb
ISO rating	Bucket digging force at power max.	275 kN 28000 kg / 61,730 lb	275 kN 28000 kg / 61,730 lb	275 kN 28000 kg / 61,730 lb	275 kN 28000 kg / 61,730 lb
	Arm crowd force at power max.	257 kN 26200 kg / 57,760 lb	214 kN 21800 kg / 48,060 lb	190 kN 19400 kg / 42,770 lb	167 kN 17000 kg / 37,500 lb

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE



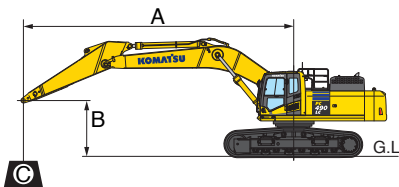
- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions:
- Boom length: 7060 mm 23' 2"
 - Bucket: None
 - Undercarriage: Fixed Gauge
 - Lifting mode: On

Arm: 2900 mm 9'6" Shoes: 900 mm 35.5" Unit: kg lb

B \ A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'							* 12340	11120			* 12260	10420
							* 27200	24500			* 27000	22900
6.1 m 20'					* 14370	* 14370	* 12730	10970			* 12030	8850
					* 31600	* 31600	* 28000	24100			* 26500	19500
4.6 m 15'			* 21420	* 21420	* 16160	14570	* 13570	10670	* 12090	8220	* 11980	8000
			* 47200	* 47200	* 35600	32100	* 29900	23500	* 26600	18100	* 26400	17600
3.0 m 10'					* 17970	13900	* 14490	10320	12400	8070	* 11620	7580
					* 39600	30600	* 31900	22700	* 27300	17700	* 25600	16700
1.5 m 5'					* 19120	13390	* 15170	10030	12230	7910	11480	7460
					* 42100	29500	* 33400	22100	* 26900	17400	* 25300	16400
0 m 0'			* 21910	19630	* 19290	13130	* 15340	9840	12130	7820	11820	7630
			* 48300	43200	* 42500	28900	* 33800	21600	* 26700	17200	* 26000	16800
-1.5 m -5'			* 23340	19710	* 18470	13070	* 14770	9780			* 12350	8190
			* 51400	43400	* 40700	28800	* 32500	21500			* 27200	18000
-3.0 m -10'	* 24130	* 24130	* 20520	19940	* 16560	13180	* 13040	9870			* 12210	9370
	* 53200	* 53200	* 45200	43900	* 36500	29000	* 28700	21700			* 26900	20600
-4.6 m -15'			* 16040	* 16040	* 12850	* 12850					* 11420	* 11420
			* 35300	* 35300	* 28300	* 28300					* 25100	* 25100

*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:
- Boom length: 7060 mm 23' 2"
 - Bucket: None
 - Undercarriage: Fixed Gauge
 - Lifting mode: On

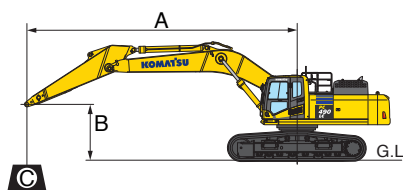
Arm: 3380 mm 11'1" Shoes: 900 mm 35.5" Unit: kg lb

B \ A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'							* 11720	11320			* 9200	* 9200
							* 25800	24900			* 20200	* 20200
6.1 m 20'							* 12230	11140	* 11430	8480	* 9070	8090
							* 26900	24500	* 25200	18700	* 20000	17800
4.6 m 15'			* 20080	* 20080	* 15510	14820	* 13160	10820	* 11770	8350	* 9210	7410
			* 44200	* 44200	* 34200	32600	* 29000	23800	* 25900	18400	* 20300	16300
3.0 m 10'			* 24120	20980	* 17470	14130	* 14190	10460	* 12260	8160	* 9580	7050
			* 53100	46200	* 38500	31100	* 31300	23000	* 27000	18000	* 21100	15500
1.5 m 5'			* 19210	* 19210	* 18900	13570	* 15020	10140	12310	7990	* 10240	6950
			* 42300	* 42300	* 41600	29900	* 33100	22300	* 27100	17600	* 22500	15300
0 m 0'			* 21790	19470	* 19390	13240	* 15390	9910	12170	7860	10910	7100
			* 48000	43500	* 42700	29100	* 33900	21800	* 26800	17300	* 24000	15600
-1.5 m -5'	* 15850	* 15850	* 24440	19730	* 18910	13120	* 15080	9810	12130	7820	* 11600	7540
	* 34900	* 34900	* 53800	43400	* 41700	28900	* 33200	21600	26700	17200	* 25500	16600
-3.0 m -10'	* 24660	* 24660	* 21950	19890	* 17380	13170	* 13810	9850			* 11490	8440
	* 54300	* 54300	* 48300	43800	* 38300	29000	* 30400	21700			* 25300	18600
-4.6 m -15'	* 21900	* 21900	* 17970	* 17970	* 14350	13400					* 10930	10320
	* 48200	* 48200	* 39600	* 39600	* 31600	29500					* 24100	22700

*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:
- Boom length: 7060 mm **23' 2"**
 - Bucket: None
 - Undercarriage: Fixed Gauge
 - Lifting mode: On

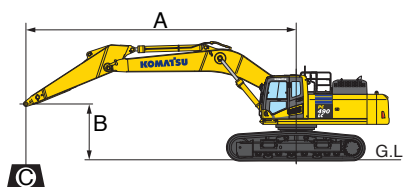
Arm: 4000 mm 13'1"

Shoes: 900 mm 35.5"

Unit: kg lb

B	A		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 8750	8560	* 7890	* 7890
											* 19200	18800	* 17400	* 17400
6.1 m 20'							* 11350	11200	* 10650	8500	* 7810	7380		
							* 25000	24700	* 23400	18700	* 17200	16200		
4.6 m 15'					* 14350	* 14350	* 12350	10850	* 11120	8330	* 7930	6790		
					* 31600	* 31600	* 27200	23900	* 24500	18300	* 17400	14900		
3.0 m 10'			* 22280	21310	* 16440	14190	* 13480	10440	* 11710	8100	* 8230	6480		
			* 49100	46900	* 36200	31200	* 29700	23000	* 25800	17800	* 18100	14200		
1.5 m 5'			* 25090	20070	* 18140	13520	* 14470	10050	12220	7890	* 8760	6380		
			* 55300	44200	* 39900	29800	* 31900	22100	26900	17300	* 19300	14000		
0 m 0'			* 23770	19500	* 19010	13090	* 15050	9770	12030	7720	* 9590	6480		
			* 52400	43000	* 41900	28800	* 33100	21500	26500	17000	* 21100	14200		
-1.5 m -5'	* 15460	* 15460	* 25010	19350	* 18940	12880	* 15040	9610	11940	7630	10590	6830		
	* 34100	* 34100	* 55100	42600	* 41700	28400	* 33100	21200	26300	16800	* 23300	15000		
-3.0 m -10'	* 22240	* 22240	* 23050	19440	* 17870	12860	* 14220	9590	* 11220	7660	* 10930	7530		
	* 49000	* 49000	* 50800	42800	* 39400	28300	* 31300	21100	* 24700	16800	* 24100	16600		
-4.6 m -15'	* 25470	* 25470	* 19730	* 19730	* 15550	13030	* 12100	9740			* 10700	8920		
	* 56100	* 56100	* 43500	* 43500	* 34200	28700	* 26600	21400			* 23600	19600		

*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:
- Boom length: 7060 mm **23' 2"**
 - Bucket: None
 - Undercarriage: Fixed Gauge
 - Lifting mode: On

Arm: 4800 mm 15'9"

Shoes: 900 mm 35.5"

Unit: kg lb

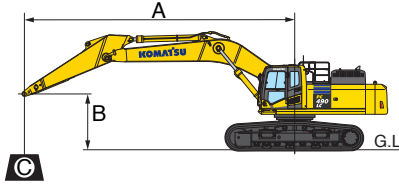
B	A		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 9450	8730	* 6360	* 6360
											* 20800	19200	* 14000	* 14000
6.1 m 20'											* 9740	8610	* 6290	* 6290
											* 21400	18900	* 13800	* 13800
4.6 m 15'							* 11310	10990	* 10320	8400	* 6350	6060		
							* 24900	24200	* 22700	18500	* 14000	13300		
3.0 m 10'			* 19860	* 19860	* 15080	14450	* 12560	10540	* 11030	8130	* 6550	5800		
			* 43700	* 43700	* 33200	31800	* 27700	23200	* 24300	17900	* 14400	12700		
1.5 m 5'			* 23510	20450	* 17100	13670	* 13740	10090	* 11710	7870	* 6890	5710		
			* 51800	45000	* 37700	30100	* 30300	22200	* 25800	17300	* 15200	12500		
0 m 0'	* 10360	* 10360	* 25290	19540	* 18430	13090	* 14590	9730	11980	7650	* 7430	5770		
	* 22800	* 22800	* 55700	43000	* 40600	28800	* 32100	21400	26400	16800	* 16300	12700		
-1.5 m -5'	* 14230	* 14230	* 25390	19150	* 18860	12760	* 14920	9500	11810	7500	* 8260	6020		
	* 31300	* 31300	* 55900	42200	* 41500	28100	* 32900	20900	26000	16500	* 18200	13200		
-3.0 m -10'	* 19240	* 19240	* 24180	19100	* 18350	12640	* 14570	9400	11760	7450	* 9580	6530		
	* 42400	* 42400	* 53300	42100	* 40400	27800	* 32100	20700	25900	16400	* 21100	14400		
-4.6 m -15'	* 25760	* 25760	* 21670	19280	* 16760	12710	* 13260	9450	* 10180	7560	* 9990	7480		
	* 56700	* 56700	* 47700	42500	* 36900	28000	* 29200	20800	* 22400	16600	* 22000	16400		

*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.

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE



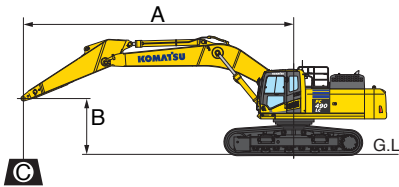
- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

- Conditions:
- Boom length: 7060 mm 23' 2"
 - Bucket: None
 - Undercarriage: Variable Gauge
 - Lifting mode: On

Arm: 2900 mm 9'6" Shoes: 900 mm 35.5" Unit: kg lb

B	A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m	25'							* 12340	11890			* 12260	11140
								* 27200	26200			* 27000	24500
6.1 m	20'					* 14370	* 14370	* 12730	11740			* 12030	9470
						* 31600	* 31600	* 28000	25800			* 26500	20800
4.6 m	15'			* 21420	* 21420	* 16160	15660	* 13570	11430	* 12090	8810	* 11980	8570
				* 47200	* 47200	* 35600	34500	* 29900	25200	* 26600	19400	* 26400	18900
3.0 m	10'					* 17970	14970	* 14490	11080	* 12460	8650	* 11880	8120
						* 39600	33000	* 31900	24400	* 27400	19000	* 26200	17900
1.5 m	5'					* 19120	14460	* 15170	10780	12510	8500	11750	8000
						* 42100	31800	* 33400	23700	27600	18700	25900	17600
0 m	0'			* 21910	21390	* 19290	14190	* 15340	10590	12410	8400	12100	8200
				* 48300	47100	* 42500	31200	* 33800	23300	27300	18500	26600	18000
-1.5 m	-5'			* 23340	21470	* 18470	14130	* 14770	10530			* 12350	8800
				* 51400	47300	* 40700	31100	* 32500	23200			* 27200	19400
-3.0 m	-10'	* 24130	* 24130	* 20520	* 20520	* 16560	14240	* 13040	10630			* 12210	10080
		* 53200	* 53200	* 45200	* 45200	* 36500	31400	* 28700	23400			* 26900	22200
-4.6 m	-15'			* 16040	* 16040	* 12850	* 12850					* 11420	* 11420
				* 35300	* 35300	* 28300	* 28300					* 25100	* 25100

*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:
- Boom length: 7060 mm 23' 2"
 - Bucket: None
 - Undercarriage: Variable Gauge
 - Lifting mode: On

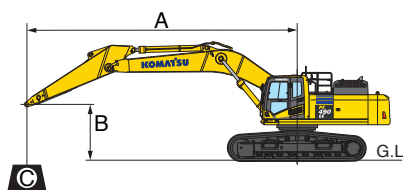
Arm: 3380 mm 11'1" Shoes: 900 mm 35.5" Unit: kg lb

B	A	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m	25'							* 11720	* 11720			* 9200	* 9200
								* 25800	* 25800			* 20200	* 20200
6.1 m	20'							* 12230	11910	* 11430	9070	* 9070	8650
								* 26900	26200	* 25200	20000	* 20000	19000
4.6 m	15'			* 20080	* 20080	* 15510	* 15510	* 13160	11590	* 11770	8940	* 9210	7930
				* 44200	* 44200	* 34200	* 34200	* 29000	25500	* 25900	19700	* 20300	17400
3.0 m	10'			* 24120	22770	* 17470	15200	* 14190	11220	* 12260	8750	* 9580	7560
				* 53100	50200	* 38500	33500	* 31300	24700	* 27000	19300	* 21100	16600
1.5 m	5'			* 19210	* 19210	* 18900	14640	* 15020	10890	12590	8570	* 10240	7460
				* 42300	42300	* 41600	32200	* 33100	24000	27700	18900	* 22500	16400
0 m	0'			* 21790	21500	* 19390	14300	* 15390	10670	12450	8440	11160	7620
				* 48000	47400	* 42700	31500	* 33900	23500	27400	18600	24600	16800
-1.5 m	-5'	* 15850	* 15850	* 24440	21480	* 18910	14180	* 15080	10560	* 12170	8400	* 11600	8100
		* 34900	* 34900	* 53800	47300	* 41700	31200	* 33200	23200	* 26800	18500	* 25500	17800
-3.0 m	-10'	* 24660	* 24660	* 21950	21660	* 17380	14230	* 13810	10600			* 11490	9070
		* 54300	* 54300	* 48300	47700	* 38300	31300	* 30400	23300			* 25300	20000
-4.6 m	-15'	* 21900	* 21900	* 17970	* 17970	* 14350	* 14350					* 10930	* 10930
		* 48200	* 48200	* 39600	* 39600	* 31600	* 31600					* 24100	* 24100

*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:
- Boom length: 7060 mm **23' 2"**
 - Bucket: None
 - Undercarriage: Variable Gauge
 - Lifting mode: On

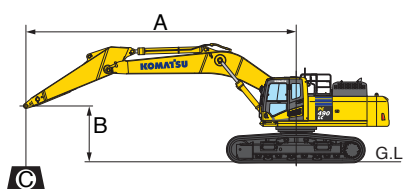
Arm: 4000 mm 13'1"

Shoes: 900 mm 35.5"

Unit: kg lb

B	A		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 8750	* 8750	* 7890	* 7890
											* 19200	* 19200	* 17400	* 17400
6.1 m 20'							* 11350	* 11350	* 10650	9100	* 7810	* 7810		
							* 25000	* 25000	* 23400	20000	* 17200	* 17200		
4.6 m 15'					* 14350	* 14350	* 12350	11610	* 11120	8920	* 7930	7280		
					* 31600	* 31600	* 27200	25600	* 24500	19600	* 17400	16000		
3.0 m 10'			* 22280	* 22280	* 16440	15270	* 13480	11200	* 11710	8690	* 8230	6960		
			* 49100	* 49100	* 36200	33600	* 29700	24700	* 25800	19100	* 18100	15300		
1.5 m 5'			* 25090	21840	* 18140	14590	* 14470	10810	* 12240	8470	* 8760	6850		
			* 55300	48100	* 39900	32100	* 31900	23800	* 26900	18600	* 19300	15100		
0 m 0'			* 23770	21260	* 19010	14150	* 15050	10520	12320	8300	* 9590	6970		
			* 52400	46800	* 41900	31200	* 33100	23200	27100	18300	* 21100	15300		
-1.5 m -5'	* 15460	* 15460	* 25010	21110	* 18940	13940	* 15040	10360	12220	8210	* 10840	7340		
	* 34100	* 34100	* 55100	46500	* 41700	30700	* 33100	22800	26900	18100	* 23900	16100		
-3.0 m -10'	* 22240	* 22240	* 23050	21200	* 17870	13920	* 14220	10340	* 11220	8240	* 10930	8100		
	* 49000	* 49000	* 50800	46700	* 39400	30700	* 31300	22800	* 24700	18100	* 24100	17800		
-4.6 m -15'	* 25470	* 25470	* 19730	* 19730	* 15550	14090	* 12100	10490			* 10700	9600		
	* 56100	* 56100	* 43500	* 43500	* 34200	31000	* 26600	23100			* 23600	21100		

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- 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:
- Boom length: 7060 mm **23' 2"**
 - Bucket: None
 - Undercarriage: Variable Gauge
 - Lifting mode: On

Arm: 4800 mm 15'9"

Shoes: 900 mm 35.5"

Unit: kg lb

B	A		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 9450	9320	* 6360	* 6360
											* 20800	20500	* 14000	* 14000
6.1 m 20'											* 9740	9200	* 6290	* 6290
											* 21400	20300	* 13800	* 13800
4.6 m 15'							* 11310	* 11310	* 10320	8990	* 6350	* 6350		
							* 24900	* 24900	* 22700	19800	* 14000	* 14000		
3.0 m 10'			* 19860	* 19860	* 15080	* 15080	* 12560	11310	* 11030	8720	* 6550	6230		
			* 43700	* 43700	* 33200	* 33200	* 27700	24900	* 24300	19200	* 14400	13700		
1.5 m 5'			* 23510	22230	* 17100	14740	* 13740	10850	* 11710	8460	* 6890	6140		
			* 51800	49000	* 37700	32500	* 30300	23900	* 25800	18600	* 15200	13500		
0 m 0'	* 10360	* 10360	* 25290	21300	* 18430	14160	* 14590	10490	* 12190	8230	* 7430	6210		
	* 22800	* 22800	* 55700	46900	* 40600	31200	* 32100	23100	* 26800	18100	* 16300	13700		
-1.5 m -5'	* 14230	* 14230	* 25390	20910	* 18860	13820	* 14920	10250	12100	8080	* 8260	6490		
	* 31300	* 31300	* 55900	46000	* 41500	30400	* 32900	22600	26600	17800	* 18200	14300		
-3.0 m -10'	* 19240	* 19240	* 24180	20850	* 18350	13700	* 14570	10150	* 11820	8040	* 9580	7040		
	* 42400	* 42400	* 53300	45900	* 40400	30200	* 32100	22300	* 26000	17700	* 21100	15500		
-4.6 m -15'	* 25760	* 25760	* 21670	21030	* 16760	13770	* 13260	10210	* 10180	8140	* 9990	8060		
	* 56700	* 56700	* 47700	46300	* 36900	30300	* 29200	22500	* 22400	17900	* 22000	17700		

*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, 50 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, 9950 kg **21,936 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D125E-6-A
- 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 cooling fan (reversible)
- 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, 700mm **28"**
- Skylight
- Slip resistant foot plates
- Starter motor, 11.0kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Travel alarm
- Two boom mode settings
- Working lights, 2 (boom and RH front)
- Working mode selection system



OPTIONAL EQUIPMENT

- (1) additional rearview camera
- Arms
 - 2900 mm **9'6"** arm assembly
 - 3380 mm **11'1"** arm assembly
 - 3380 mm **11'1"** arm assembly with piping
 - 4000 mm **13'1"** arm assembly
 - 4800 mm **15'9"** arm assembly
- Booms
 - 7060 mm **23'2"** HD boom assembly
 - 7060 mm **23'2"** 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
- Counterweight removal system
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Rain visor
- Revolving frame undercovers, heavy duty
- Shoes, triple grouser, 800 mm **31.5"**
- Shoes, triple grouser, 900 mm **35.5"**
- Sun visor
- Straight travel pedal
- Track roller guards, full length
- Working light, front, one additional
- Variable track gauge



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.