KOMATSU®

PC650LC-11

Tier 4 Final Engine

PC650LC

HYDRAULIC EXCAVATOR



Photos may include optional equipment.

NET HORSEPOWER
436 HP @ 1800 rpm
325 kW @ 1800 rpm

OPERATING WEIGHT
140,456–145,284 lb
63710–65900 kg

BUCKET CAPACITY
2.05–4.98 yd^3
1.57–3.81 m^3

WALK-AROUND

PC650LC-11



Photos may include optional equipment.

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KOMATSU CARE®

HIGH PERFORMANCE AND TRANSPORTABILITY

High Performance
An excellent match for high production loading of 30-40 ton trucks and well suited for deep sewer and water trenching applications.

Transportability
Designed to accommodate flexible job operations that require frequent transportation. Reduced disassembly and time required.



A powerful Komatsu SAA6D140E-7 engine provides a net output of 325 kW **436 HP**. This engine is EPA Tier 4 Final emissions certified.

Variable Geometry Turbocharger (VGT) water cooled and hydraulically controlled to provide precise air-fuel control and fluid engine response.

Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) system reduce particulate matter and NOx while providing automatic regeneration that does not interfere with daily operation.

Grouped maintenance points conveniently located in latched service access doors.

Two boom mode settings provide power mode for maximum digging force or soft mode to minimize machine lifting when working on hard surfaces or hammer operation.

Komatsu's Open-center Load Sensing System (OLSS) balances hydraulic pump pressure and flow to allow smooth multi-function regardless of load.

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

Single camera rearview monitoring system (Standard)

Large LCD color monitor panel:

- Integrated climate and navigation controls
- 7" high resolution screen
- Provides "Ecology-Guidance" for fuel efficient operation
- Rearview camera display integrated into a new monitor display layout for improved operator awareness of the work area.

Three working modes (Power, Economy, and Lift Mode) are designed to match engine speed, pump delivery, and system pressure to a wide range of applications.

Enhanced working environment

- High back, heated air, suspension operator seat with adjustable arm rests
- Auto climate control
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard
- Aux jack and (2) 12V power outlets
- Low operator sound level

Komatsu designed and manufactured components

Hydraulically driven reversible variable speed fan is temperature controlled to reduce parasitic load on the engine and improve fuel consumption. Reversible fan direction helps cleaning of coolers to reduce maintenance.

Handrails (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 provides increased strength and durability.

Komatsu Auto Idle Shutdown helps reduce nonproductive engine idle time and reduces operating costs.

Operator Identification System records KOMTRAX machine operation and application data for up to 100 individual codes.

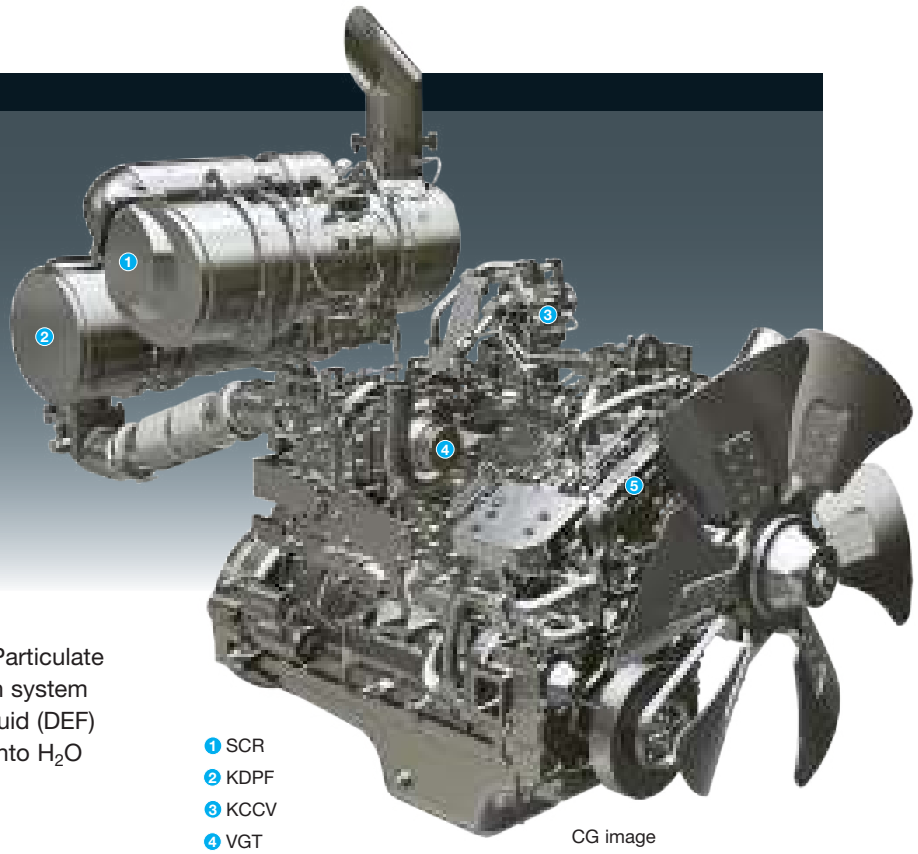
PERFORMANCE FEATURES

PG650LC-11

KOMATSU NEW ENGINE TECHNOLOGIES

Komatsu's New Emission Regulations-compliant Engine

New regulations effective in 2014 require the reduction of NOx emissions to one tenth or below from the preceding regulations. In addition to refining the Tier 4 Interim technologies, Komatsu has developed a new Selective Catalytic Reduction (SCR) device in-house.



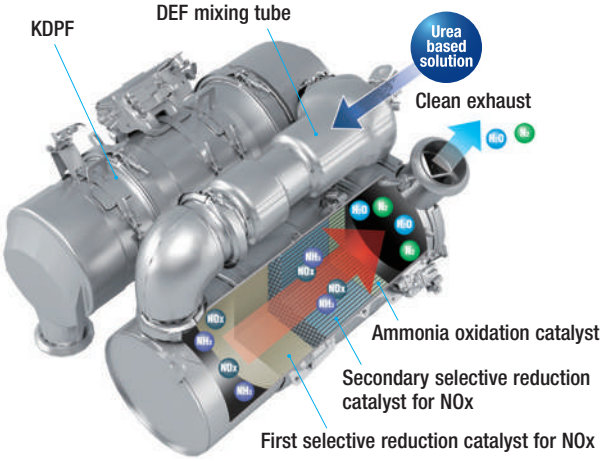
1 SCR
2 KDPF
3 KCCV
4 VGT
5 Cooled EGR

CG image

Technologies Applied to New Engine

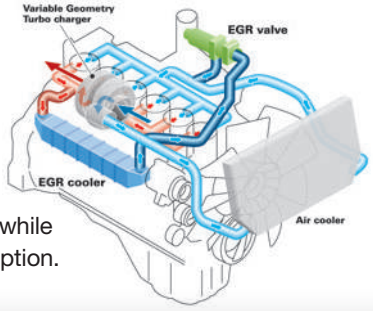
Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) and SCR. The SCR NO_x reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NO_x into H_2O and N_2.



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into air intake and lowers combustion temperatures, thereby reducing NOx emissions. Furthermore, while EGR gas flow is increased, by incorporating a high-efficiency and compactly designed cooling system, the system achieves a dynamic reduction of NOx, while helping reduce fuel consumption.



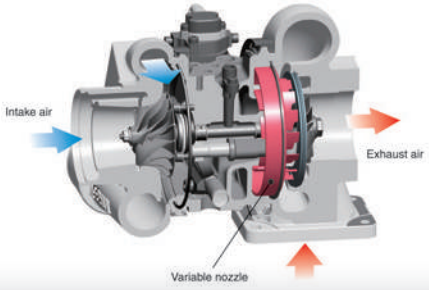
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Advanced electronic control system

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle and engine to ensure total control of equipment in all conditions of use. Conditions of the engine are displayed via an on-board network on the monitor inside the cab, providing necessary information to the operator. Furthermore, managing the information via KOMTRAX helps customers engage in appropriate maintenance.

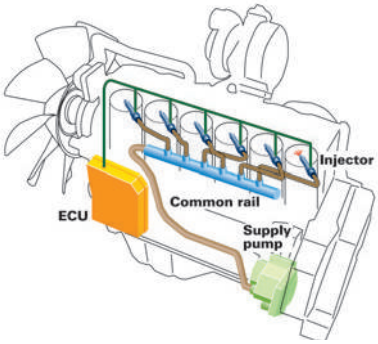
Variable Geometry Turbocharger (VGT) system

The VGT system features proven Komatsu design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. New water cooled bearing design helps extend turbo life.



High Pressure Common Rail (HPCR) fuel injection system

The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, thereby bringing close to complete combustion to reduce Particulate Matter (PM) emissions.



Fuel Consumption

Reduced by up to 6%

(compared to the PC650LC-8E0)

Based on typical work pattern collected via KOMTRAX

Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.





PERFORMANCE & RELIABILITY



Large Digging Force

With the one-touch Power Max. function digging force is further increased (8 seconds of operation).

Maximum arm crowd force (ISO)

234 kN(23.5t) ➡ **246 kN(25.1t)** (with Power Max.) **6.5% UP**

Maximum bucket digging force (ISO)

301 kN(30.3t) ➡ **317 kN(32.3t)** (with Power Max.) **6.5% UP**

Measured with Power Max. function, 3500 mm arm and ISO 6015 rating.

Digging Depth

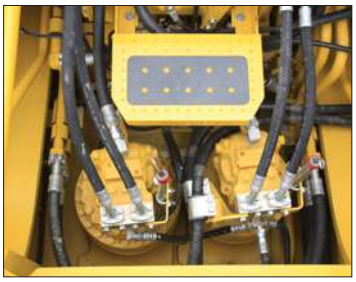
With the 25'2" Boom and 17'1" arm the PC650LC-11 has the best in class digging depth capabilities. This configuration can dig to depths up to 33'7".

Work Equipment Drift Control

Standard arm and boom holding valves provide superior drift control when lifting heavy structures.

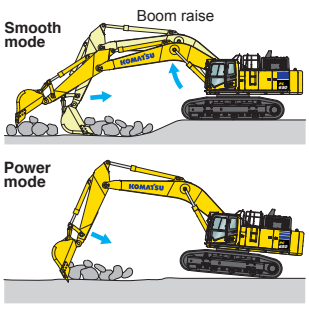
Quick Cycle Times

Dual swing motors and arm quick return circuit provide fast cycle times under heavy loads.



Two-mode Setting for Boom

Smooth mode reduces boom down power for easy trench/bench floor cleaning and hammer applications. Power mode disables the boom float function for maximum digging force.



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 arm tip.



O-ring Face Seal

The hydraulic hoses feature O-ring face seals to improve sealing performance and operation.

Frame Structure

The revolving frame and center frame swing circle mounts are one-piece non-welded structures that transmit force directly through the thick plate without passing through welded joints.

Fuel Filters

Large high efficiency fuel filter and pre-filter with water separator removes contaminants in fuel for improved fuel injection system life. Electric priming pump simplifies maintenance.



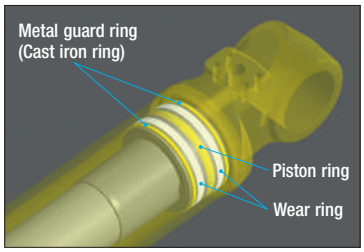
High-pressure In-line Filtration

An in-line filter in the outlet port of each main hydraulic pump offers extra protection against failures caused by contamination.



Metal Guard Rings

Metal guard rings protect all the hydraulic cylinders and improve reliability.



Heat-resistant Wiring

Heat-resistant wiring is used for the engine electric circuit and other major component circuit.

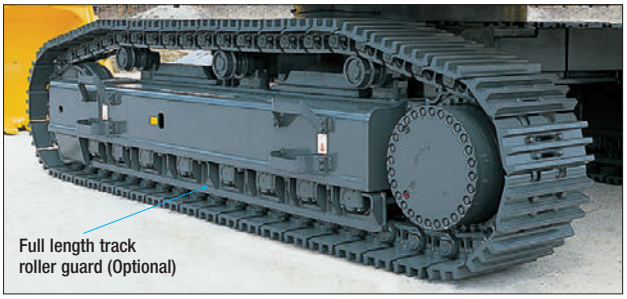
Circuit Breaker

With circuit breaker, the machine can be easily restarted after repair.



Sturdy Undercarriage

The undercarriage is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock. Sturdy guards shield the travel motors and pipings against damage from rocks.

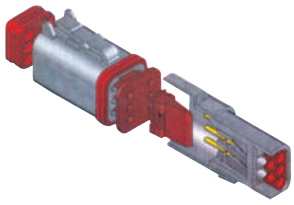


Strengthened Revolving Frame Underguard

Guards the machine body against rock damage and protects hydraulic components and the engine from intruding objects.

DT-Type Connectors

Sealed connectors seal tight and have higher reliability.



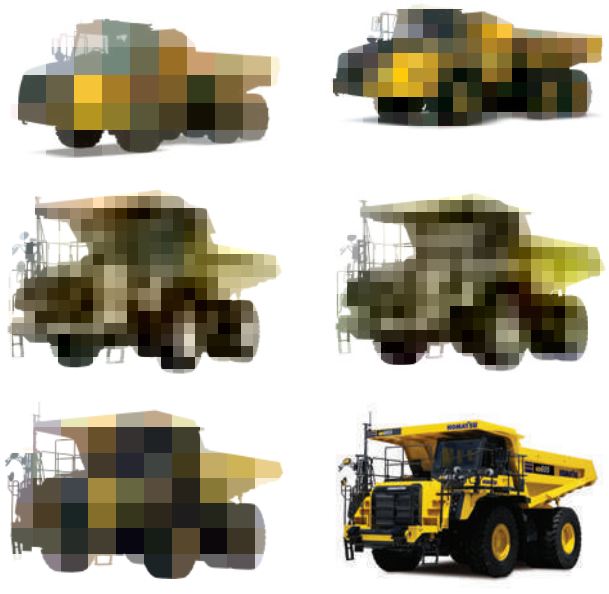
PRODUCTION & TRUCK MATCHING



Designed for high production loading for a variety of hauling trucks.

Pass Matching

	Capacity (yd^3)		HM300-5 30 ton	HM400-5 44 ton	HD325-8 40 ton	HD405-8 44 ton	HD465-8 61 ton	HD605-8 69 ton
PC650LC-11	4.5	Passes	5	7	7	7	9	11





GENERAL FEATURES



Comfortable Working Space

Wide spacious cab

Wide spacious cab includes an air suspension high back heated seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of arm-rest together with the console. Reclining the seat further enables you to place it into the fully flat state with the head-rest attached.

Arm rest with simple height adjustment

A plunger and lock permits simple and fast adjustments or arm rest height.



Low vibration with cab viscous dampers

Automatic climate control

Pressurized cab

Auxiliary input jack

An auxiliary audio input makes it easy to connect a device to play audio through the standard speakers.



Standard Equipment

Sliding window glass (left side)



Remote intermittent wiper with windshield washer



Opening & closing skylight



Defroster
(Conform to the ISO 10263-5)

AM/FM stereo radio & ashtray



Cigarette lighter



Magazine box & cup holder



Front lower window glass storage



WORKING ENVIRONMENT

LARGE HIGH RESOLUTION LCD MONITOR



Machine Monitor with Evolutionary Interface

The interface has been redesigned to enable the necessary information to be read and understood more easily, while retaining the maneuverability of previous models. A rear view camera image and a DEF level gauge display have been added to the default main screen. The interface has a function that enables the main screen to be switched, thus enabling the optimum screen for the particular work situation to be displayed.

Indicators

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Ecology gauge
5. Camera display
6. Engine coolant temperature gauge
7. Hydraulic oil temperature gauge
8. Fuel gauge
9. DEF level gauge
10. Service meter, clock
11. Fuel consumption gauge
12. Guidance icon
13. Function switches
14. Camera direction display
15. DEF level caution lamp

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Travel speed selector
4. Buzzer cancel
5. Wiper
6. Window washer

Operator Identification Function

An operator identification ID can be set for each operator, and used to manage operation information of individual machines as KOMTRAX data. Data sent from KOMTRAX can be used to analyze operation status by operator as well as by machine.



Switchable Display Modes

The main screen display mode can be changed by pressing the pressing the F3 key.



Default display mode



Full rearview display mode





Monitor display provides individual camera views as well as a bird's eye view.

Distance markers are displayed in the monitor to show machine swing tail radius.

KomVision (Optional)

An optional four camera system provides a bird's eye view (including cab visibility) of the machine and surrounding area. This system improves operation and situational awareness on the jobsite.

KomVision benefits operators working in urban environments, confined spaces, and high traffic jobsites from increased visibility and situational awareness.

Includes four cameras:

1. Front right camera
2. Rear right camera
3. Left rear camera
4. Standard rear view camera

MAINTENANCE FEATURES

PC650LC-11

Centralized Engine Check Points

Grouped engine oil,fuel, and air filters are located on the front side of the engine for easy service access.



Swing out radiator guard door

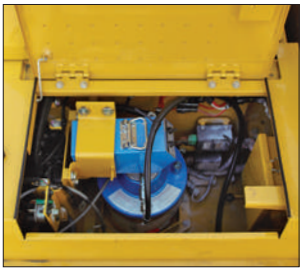
Swing out design provides access to clean trapped debris on coolers and removable debris screens.



Electric Operated Grease Gun Equipped with Hose Reel

A 36 ft. hose and grease gun provides easy access to the machine's grease points. An indicator is included to monitor grease level. Greasing system accepts 5 gallon grease buckets.





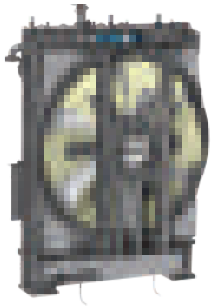
Grease gun located in compartment underneath the front step provides easy ground level access.



Battery Disconnect Switch

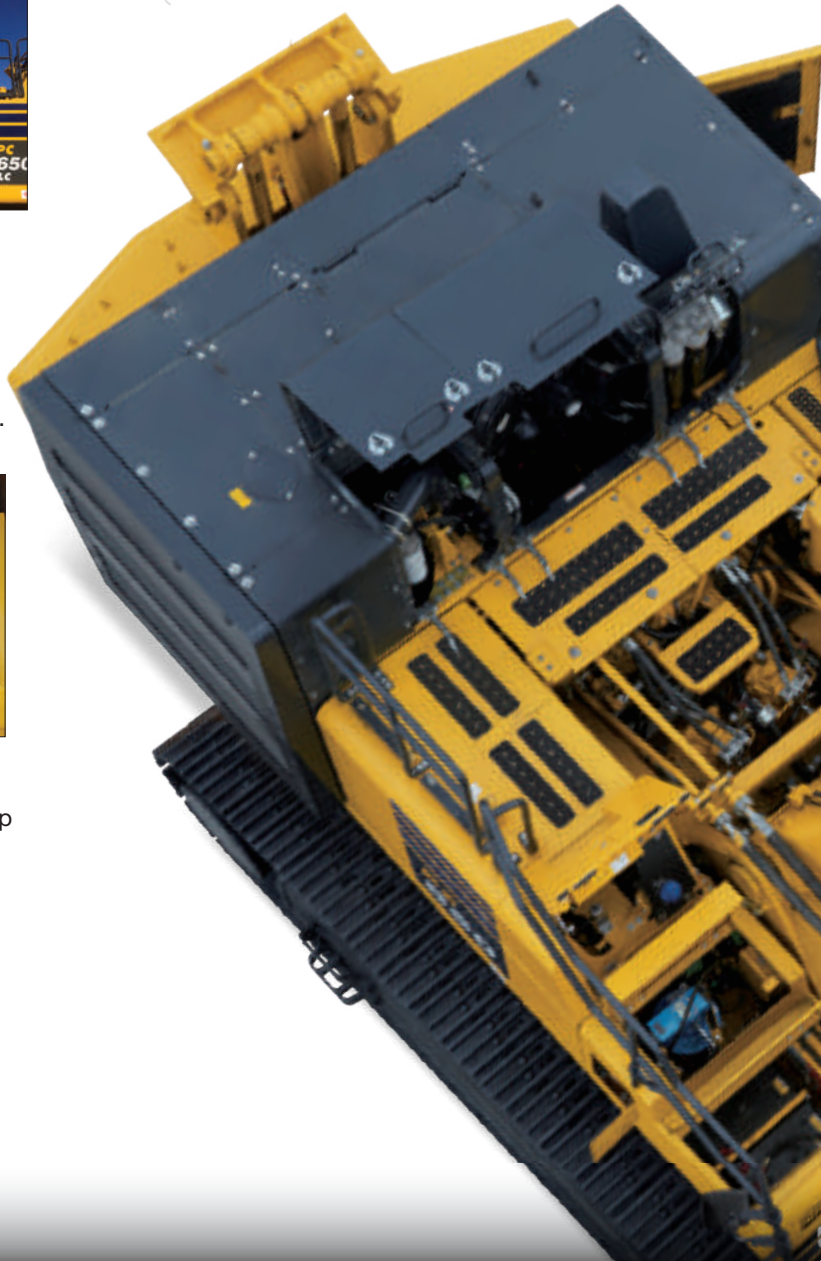
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.





Reversible cooling fan

A reversible hydraulically driven fan helps maintain clean cooler cores.



Washable Cab Floor Mat

The PC650LC-11's floor is easy to keep clean. The gently inclined surface has a flanged floor mat and drainage holes to facilitate run off.





Wide Walkway and Large Handrails

Provides sufficient room for access to operator cab and pump compartment.

Long-life Oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

Engine oil & engine oil filter	every **500** hours
Hydraulic oil	every **5000** hours
Hydraulic oil filter	every **1000** hours



Hydraulic oil filter



Diesel Exhaust Fluid (DEF) Tank

A large tank volume extends operating time before refilling and installed on the right front stairway for ease of access. A DEF level sight glass and separated pump provide excellent serviceability.



Maintenance Information

"Maintenance time caution lamp" display

When the remaining time to maintenance becomes less than 30 hours*, a maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen.

* : The setting can be changed within the range between 10 and 200 hours.



Maintenance screen

Manual Stational 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



Aftertreatment device regeneration screen

Supports the DEF level and refill timing

The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.



DEF level gauge

DEF low level guidance

TRANSPORTATION



Large production machine designed for easy transportation between jobsite locations

Machine design allows for low transportation height and reduces transportation costs. Less disassembly required to meet transportation weight requirements. Removing bucket (5,000-8000 lb.) and counterweight (23,496 - 26,345 lb.) reduces transportation weight down to 105,000 lb. (Actual weight may vary with different work equipment and attachments).

Counterweight Remover Option

Simplifies the process of machine transportation by providing a convenient way of removing the counterweight without the use of a crane.



Variable Track Gauge

Track gauge adjusts from 8'6" to 10'10" to provide narrow trailer loading capabilities or increased machine stability over the side.



KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH KOMTRAX®

WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

WHO

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

WHEN

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



WHERE

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

WHY

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



KOMTRAX®
For construction and compact equipment.

KOMTRAX Plus®
For production and mining class machines.

KOMATSU PARTS & SERVICE SUPPORT

PC650LC-11

KOMATSU CARE

Program Includes:

*The PC650LC-11 comes standard with complimentary factory scheduled maintenance for the first 3 Years or 2,000 Hours, whichever comes first.

Planned Maintenance Intervals at:

500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA) / Travel & Mileage (distance set by distributor; additional charges may apply)

Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

Complimentary KDPF Exchange

The PC650LC-11 comes standard with 2 Complimentary KDPF Exchange Units for the first 5 Years (unlimited hours) Complimentary KDPF Exchange Units are provided at: The suggested KDPF Exchange Units Service Intervals of 4,500 hours and 9,000 hours during the first 5 years. End User must have authorized Komatsu distributor perform the removal and installation of the KDPF.

Complimentary SCR System Maintenance

The PC650LC-11 also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel exhaust fluid (DEF) system during the first 5 years–no hour limit–including: Factory recommended DEF tank flush and strainer cleaning at 4,500 hours and 9,000 hours.

Interval PM	500	1000	1500	2000
KOWA SAMPLING – (Engine, Hydraulics, L & R Swing Machinery, L & R Final Drives)	✓	✓	✓	✓
LUBRICATE MACHINE	✓	✓	✓	✓
LUBRICATE SWING CIRCLE	✓	✓	✓	✓
CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY	✓	✓	✓	✓
CHANGE ENGINE OIL	✓	✓	✓	✓
REPLACE ENGINE OIL FILTER	✓	✓	✓	✓
REPLACE FUEL PRE-FILTER	✓	✓	✓	✓
REPLACE AC FRESH & RECIRC AIR FILTERS	✓	✓	✓	✓
CLEAN PTO STRAINER	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	✓	✓	✓	✓
DRAIN SEDIMENT FROM FUEL TANK	✓	✓	✓	✓
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	✓	✓	✓	✓
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	✓	✓	✓	✓
REPLACE HYDRAULIC TANK BREATHER ELEMENT		✓		✓
REPLACE DEF TANK BREATHER ELEMENT		✓		✓
REPLACE FUEL MAIN FILTER		✓		✓
CHANGE PTO CASE OIL		✓		✓
CHANGE SWING MACHINERY OIL		✓		✓
REPLACE HYDRAULIC OIL FILTER ELEMENT		✓		✓
CLEAN HYDRAULIC TANK STRAINER				✓
CHANGE FINAL DRIVE OIL				✓
REPLACE KCCV FILTER ELEMENT				✓
REPLACE DEF PUMP FILTER				✓
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	✓	✓
2 KDPF Exchanges at 4,500 Hrs and 9,000 Hrs.				
2 SCR System Maintenance Services at 4,500 Hrs. and 9000 Hrs.				

Komatsu CARE® – Extended Coverage

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



Komatsu Parts Support

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



Komatsu Oil and Wear Analysis (KOWA)

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

* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd. Copyright 2017 Komatsu America Corp.

SPECIFICATIONS

ENGINE

Model ..... Komatsu SAA6D140E-7*
Type ..... Water-cooled, 4-cycle, direct injection
Aspiration ..... Turbocharged, aftercooled, cooled, EGR
Number of cylinders 6
Bore ..... 140 mm **5.51"**
Stroke ..... 165 mm **6.50"**
Piston displacement ..... 15.24 ltr **930 in³**
Horsepower:
SAE J1995 ..... Gross 327 kW **439 HP**
ISO 9249 / SAE J1349 ..... Net 325 kW **436 HP**
Rated rpm 1800
Hydraulic fan at maximum speed ..... Net 293 kW **392 HP**
Governor ..... All-speed control, electronic
Fan drive method for radiator cooling ..... Hydraulic

*EPA Tier 4 Final emissions certified

HYDRAULICS

Type ..... Open-center load sensing system, 3 selectable working modes
Main pump:
Type ..... Variable capacity piston
Pumps for ..... Boom, arm, bucket, swing, and travel circuits
Maximum flow ..... 2 x 410 ltr/min **2 x 108 gal/min**
Sub-pump for control circuit ..... Gear type
Fan drive pump ..... Variable-capacity piston type
Hydraulic motors:
Travel ..... 2 x axial piston motors with parking brake
Swing ..... 2 x axial piston motors with swing holding brake
Relief valve setting:
Implement circuits ..... 32.4 MPa 330 kgf/cm² **4,700 psi**
Travel circuit ..... 34.3 MPa 350 kgf/cm² **4,980 psi**
Swing circuit ..... 25.5 MPa 260 kgf/cm² **3,700 psi**
Pilot circuit ..... 2.9 MPa 30 kgf/cm² **430 psi**
Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom ..... 2–185 mm x 1725 mm x 120 mm **7.3" x 67.9" x 4.7"**
Arm ..... 1–200 mm x 2045 mm x 140 mm **7.9" x 80.5" x 5.5"**
Bucket ..... 1–185 mm x 1425 mm x 130 mm **7.3" x 56.1" x 5.1"**

DRIVES AND BRAKES

Steering control ..... Two levers with pedals
Drive method ..... Fully hydrostatic
Travel motor ..... Axial piston motor, in-shoe design
Reduction system ..... Planetary triple reduction
Maximum drawbar pull ..... 415 kN 42300 kgf **93,250 lbf**
Gradeability ..... 70%, 35°
Maximum travel speed:
High ..... 4.9 km/h **3.0 mph**
Low ..... 3.0 km/h **1.9 mph**
Service brake ..... Hydraulic lock
Parking brake ..... Oil disc brake

SWING SYSTEM

Drive method ..... 2 x hydraulic motors
Swing reduction ..... Planetary gear
Swing circle lubrication ..... Grease-bathed
Service brake ..... Oil disc brake
Holding brake/Swing lock ..... Mechanical disc brake
Swing speed ..... 8.3 rpm
Swing torque ..... 21369 kg•m **154,481 ft lbs**

UNDERCARRIAGE

Center frame ..... H-leg
Track frame ..... Box-section
Track type ..... Sealed
Track adjuster ..... Hydraulic
Number of shoes (each side) 52
Number of carrier rollers (each side) 3
Number of track rollers (each side) 9

COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 880 ltr **232 U.S. gal**
Coolant ..... 76 ltr **20.1 U.S. gal**
Engine ..... 48 ltr **12.7 U.S. gal**
Final drive, each side ..... 10 ltr **2.65 U.S. gal**
Swing drive ..... 2 x 13 ltr **3.4 U.S. gal**
Hydraulic tank ..... 360 ltr **95.1 U.S. gal**
Diesel Exhaust Fluid (DEF) tank ..... 62.2 ltr **16.4 U.S. gal**

SOUND PERFORMANCE

Exterior – ISO 6395 ..... 104 dB(A)
Operator – ISO 6396 ..... 73 dB(A)

OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 7660 mm **25'2"** one-piece boom, 3500 mm **11'6"** arm, ISO 7451 heaped 2.70 m³ **3.53 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Variable Gauge	
	Operating Weight	Ground Pressure (ISO 16754)
600 mm **24"**	63710 kg **140,456 lb**	1.07 kg/cm² **15.16 psi**
750 mm **30"**	64590 kg **142,396 lb**	0.86 kg/cm² **12.30 psi**
900 mm **35.5"**	65480 kg **144,292 lb**	0.73 kg/cm² **10.3 psi**

Component Weights

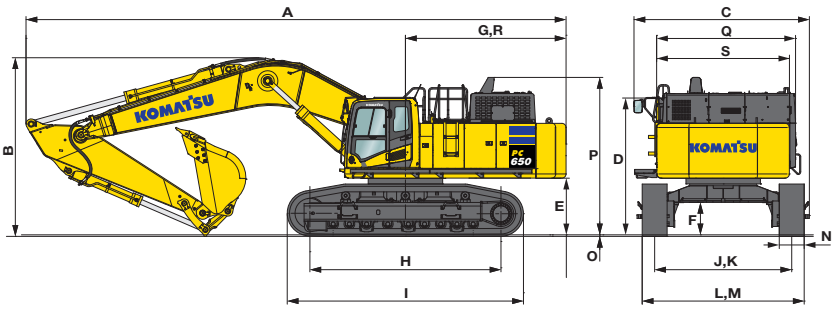
Boom assembly including arm cylinder
7600 mm **25'2"** boom assembly ..... 4870 kg **10,736 lb**
Boom cylinders only ..... 1000 kg **2,205 lb**
Arm assembly including bucket cylinder and linkage
3500 mm **11'6"** arm asssembly ..... 3220 kg **7,099 lb**
4300 mm **14'1"** arm asssembly ..... 3740 kg **8,245 lb**
5200 mm **17'1"** arm asssembly ..... 4160 kg **9,171 lb**
Counterweight ..... 11949 kg **26,345 lb**
Counterweight w/remover ..... 10657 kg **23,496 lb**
2.70 m³ **3.53 yd³** bucket - 54" width ..... 3347 kg **7,379 lb**

SPECIFICATIONS

DIMENSIONS

	Arm Length	3500 mm	11'4"	4300 mm	14'1"	5200 mm	17'1"
A	Overall length	13005 mm	42'6"	12925 mm	42'4"	12630 mm	41'4"
B	Overall height (To top of boom)*	4300 mm	14'1"	4655 mm	15'2"	5235 mm	17'2"
C	Overall width	4265 mm	14"				
D	Overall height (To top of cab)	3290 mm	10'8"				
E	Ground clearance, counterweight	1365 mm	4'5"				
F	Ground clearance (Minimum)	780 mm	2'7"				
G	Tail swing radius	3950 mm	13"				
H	Track length on ground	4600 mm	15'1"				
I	Track length	5690 mm	18'8"				
J	Track gauge when retracted	2590 mm	8'6"				
K	Track gauge when expanded	3300 mm	10'10"				
L	Width of crawler when retracted	3490 mm	11'6"				
M	Width of crawler when expanded	4200 mm	13'10"				
N	Shoe width	900 mm	35.5"				
O	Grouser height	37 mm	1.5"				
P	Machine height to top of engine cover	3790 mm	12'4"				
Q	Machine upper width	3345 mm	11'				
R	Distance, swing center to rear end	3870 mm	12'7"				
S	Counterweight width	3190 mm	10'5"				

***** : Including grouser height

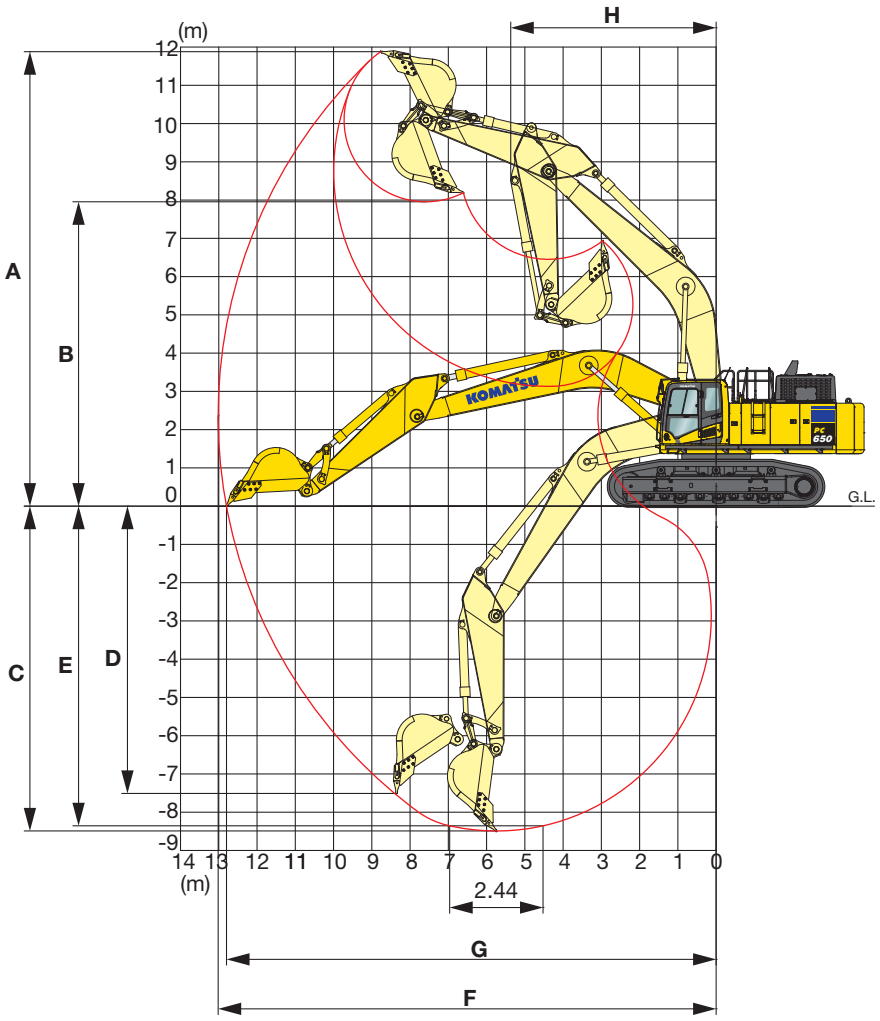


BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Type	Bucket Capacity		Teeth	Width		Weight		Tip Radius		Boom 7.6 m (25'2") 3.5 m (11'6")	Boom 7.6 m (25'2") 4.3 m (14'1")	Boom 7.6 m (25'2") 5.2 m (17'1")
Komatsu HP	1.57 m³	2.05 yd³	3	914 mm	36"	2194 kg	4838 lb	1772 mm	81.3"	●	●	●
	1.93 m³	2.52 yd³	4	1067 mm	42"	2333 kg	5143 lb	1772 mm	81.3"	●	●	●
	2.29 m³	3.00 yd³	4	1219 mm	48"	2541 kg	5602 lb	1772 mm	81.3"	●	●	○
	2.67 m³	3.49 yd³	5	1372 mm	54"	2767 kg	6101 lb	1772 mm	81.3"	●	●	□
	3.04 m³	3.98 yd³	5	1524 mm	60"	2912 kg	6420 lb	1772 mm	81.3"	●	○	⊙
	3.43 m³	4.48 yd³	6	1676 mm	66"	3317 kg	7312 lb	1772 mm	81.3"	○	□	⦸
	3.81 m³	4.98 yd³	6	1829 mm	72"	3476 kg	7663 lb	1772 mm	81.3"	□	⊙	⦸
Komatsu HPS	1.57 m³	2.05 yd³	3	914 mm	36"	2230 kg	4917 lb	1772 mm	81.3"	●	●	●
	1.93 m³	2.52 yd³	4	1067 mm	42"	2535 kg	5590 lb	1772 mm	81.3"	●	●	●
	2.29 m³	3.00 yd³	4	1219 mm	48"	2776 kg	6119 lb	1772 mm	81.3"	●	●	○
	2.67 m³	3.49 yd³	5	1372 mm	54"	3027 kg	6674 lb	1772 mm	81.3"	●	●	□
	3.04 m³	3.98 yd³	5	1524 mm	60"	3196 kg	7045 lb	1772 mm	81.3"	●	○	⊙
	3.43 m³	4.48 yd³	6	1676 mm	66"	3466 kg	7642 lb	1772 mm	81.3"	○	□	⦸
	3.81 m³	4.98 yd³	6	1829 mm	72"	3673 kg	8097 lb	1772 mm	81.3"	□	⊙	⦸
Komatsu HPX	1.57 m³	2.05 yd³	3	914 mm	36"	2486 kg	5481 lb	1772 mm	81.3"	●	●	●
	1.93 m³	2.52 yd³	4	1067 mm	42"	2855 kg	6294 lb	1772 mm	81.3"	●	●	○
	2.29 m³	3.00 yd³	4	1219 mm	48"	3058 kg	6743 lb	1772 mm	81.3"	●	●	□
	2.67 m³	3.49 yd³	5	1372 mm	54"	3347 kg	7379 lb	1772 mm	81.3"	●	○	⊙
	3.04 m³	3.98 yd³	5	1524 mm	60"	3436 kg	7575 lb	1772 mm	81.3"	○	□	⦸
	3.43 m³	4.48 yd³	6	1676 mm	66"	3822 kg	8425 lb	1772 mm	81.3"	□	⊙	⦸
	3.81 m³	4.98 yd³	6	1829 mm	72"	4029 kg	8883 lb	1772 mm	81.3"	□	⊙	⦸

● - Used with material weights up to 3,500 lb/yd³ – Quarry/rock/high abrasion applications
□ - Used with material weights up to 2,500 lb/yd³ – General construction
○ - Used with material weights up to 3,000 lb/yd³ – Tough digging applications
⊙ - Used with material weights up to 2,000 lb/yd³ – Light materials applications
X - Not useable

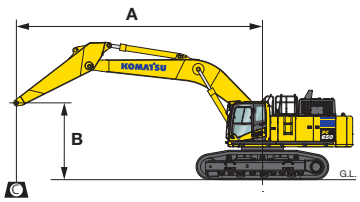
WORKING RANGE



		Standard Spec					
	Boom Length	7600 mm	25'2"	7600 mm	25'2"	7600 mm	25'2"
	Arm Length	3500 mm	11'6"	4300 mm	14'1"	5200 mm	17'1"
A	Max. digging height	11880 mm	**39'0"**	12180 mm	**40'0"**	12560 mm	**41'3"**
B	Max. dumping height	7960 mm	**26'1"**	8245 mm	**27'1"**	8600 mm	**28'3"**
C	Max. digging depth	8490 mm	**27'10"**	9275 mm	**30'5"**	10225 mm	**33'7"**
D	Max. vertical wall digging depth	7510 mm	**24'8"**	8375 mm	**27'6"**	9275 mm	**30'5"**
E	Max. digging depth for 8'level bottom	8360 mm	**27'5"**	9175 mm	**30'1"**	10125 mm	**33'3"**
F	Max. digging reach	13020 mm	**42'9"**	13740 mm	**45'1"**	14630 mm	**48'0"**
G	Max. digging reach at ground level	12800 mm	**42'0"**	13555 mm	**44'6"**	14435 mm	**47'4"**
H	Min. swing radius	5370 mm	**17'7"**	5385 mm	**17'8"**	5510 mm	**18'1"**
SAE rating	Bucket digging force at power max.	285 kN 29,100 kg / **64,150 lb**		285 kN 29,100 kg / **64,150 lb**		285 kN 29,100 kg / **64,150 lb**	
SAE rating	Arm crowd force at power max.	238 kN 24300 kg / **53,570 lb**		209 kN 21300 kg / **46,960 lb**		182 kN 18600 kg / **41,010 lb**	
ISO rating	Bucket digging force at power max.	317 kN 32300 kg / **71,210 lb**		317 kN 32300 kg / **71,210 lb**		317 kN 32300 kg / **71,210 lb**	
ISO rating	Arm crowd force at power max.	246 kN 25100 kg / **55,340 lb**		218 kN 22200 kg / **48,940 lb**		189 kN 19300 kg / **42,550 lb**	

LIFT CAPACITIES

LIFTING CAPACITY WITH LIFTING MODE



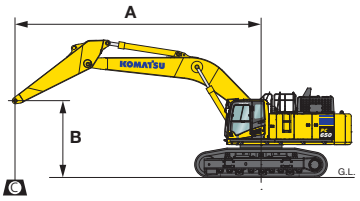
A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗: Rating at maximum reach

Conditions:
- Boom length: 7660 mm **25' 2"**
- Arm length: 3500 mm **11' 6"**
- Shoe: 750 mm **29.5"** triple grouser
- Bucket: None
- Track gauge in extended position

Arm: 3500 mm **11'6"** **Bucket:** None **Shoes:** 750 mm **29.5"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗ Cf	MAX ⊗ Cs
9.1 m											* 12550	* 12550
30'											*** 27700**	*** 27700**
7.6 m									* 15100	13700	* 12150	* 12150
25'									*** 33300**	**30200**	*** 26700**	*** 26700**
6.1 m							* 16950	* 16950	* 15500	13500	* 12050	11350
20'							*** 37300**	*** 37300**	*** 34200**	**29800**	*** 26600**	**25100**
4.6 m					* 22350	* 22350	* 18500	17200	* 16300	13200	* 12300	10050
15'					*** 49200**	*** 49200**	*** 40800**	**37900**	*** 35900**	**29100**	*** 27100**	**23200**
3.0 m					* 25250	22550	* 20100	16550	* 17200	12850	* 12800	10050
10'					*** 55700**	**49700**	*** 44400**	**36500**	*** 37900**	**28300**	*** 28200**	**22200**
1.5 m					* 27200	21650	* 21400	16000	17100	12550	13450	9950
5'					*** 60000**	**47800**	*** 47200**	**35300**	**37700**	**27600**	**29700**	**21900**
0 m					* 27800	21200	21850	15650	16850	12300	13750	10150
0'					*** 61300**	**46700**	**48200**	**34500**	**37200**	**27100**	**30300**	**22400**
-1.5 m			* 27200	* 27200	* 27200	21050	21650	15450	16750	12200	14600	10700
-5'			*** 59900**	*** 59900**	*** 60000**	**46400**	**47800**	**34100**	**36900**	**26900**	**32200**	**23600**
-3.0 m	* 25700	* 25700	* 31850	* 31850	* 25450	21150	* 20550	15500	* 16450	12250	* 15700	11850
-10'	*** 56600**	*** 56600**	*** 70200**	*** 70200**	*** 56100**	**46600**	*** 45300**	**34200**	*** 36300**	**27000**	*** 34600**	**26200**
-4.6 m	* 33200	* 33200	* 27300	* 27300	* 22150	21450	* 17650	15750			* 15350	14100
-15'	*** 73200**	*** 73200**	*** 60100**	*** 60100**	*** 48800**	**47300**	*** 38900**	**34700**			*** 33900**	**31100**
-6.1 m			* 20050	* 20050	* 16000	* 16000					* 13900	* 13900
-20'			*** 44200**	*** 44200**	*** 35300**	*** 35300**					*** 30600**	*** 30600**

*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

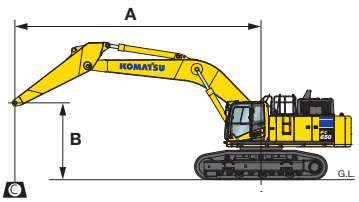
Conditions:
- Boom length: 7660 mm **25' 2"**
- Arm length: 3500 mm **11' 6"**
- Shoe: 900 mm **35.5"** triple grouser
- Bucket: None
- Track gauge in extended position

Arm: 3500 mm **11'6"** **Bucket:** None **Shoes:** 900 mm **35.5"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗ Cf	MAX ⊗ Cs
9.1 m											* 12550	* 12550
30'											*** 27700**	*** 27700**
7.6 m									* 15100	13850	* 12150	* 12150
25'									*** 33300**	**30600**	*** 26700**	*** 26700**
6.1 m							* 16950	* 16950	* 15500	13700	* 12050	11500
20'							*** 37300**	*** 37300**	*** 34200**	**30200**	*** 26600**	**25400**
4.6 m					* 22350	* 22350	* 18500	17400	* 16300	13350	* 12300	10650
15'					*** 49200**	*** 49200**	*** 40800**	**38300**	*** 35900**	**29500**	*** 27100**	**23500**
3.0 m					* 25250	22800	* 20100	16750	* 17200	13000	* 12800	10200
10'					*** 55700**	**50300**	*** 44400**	**36900**	*** 37900**	**28700**	*** 28200**	**22500**
1.5 m					* 27200	21950	* 21400	16200	17350	12700	* 13650	10100
5'					*** 60000**	**48400**	*** 47200**	**35700**	**38200**	**28000**	*** 30100**	**22200**
0 m					* 27800	21450	* 21800	15850	17000	12450	13950	10260
0'					*** 61300**	**47300**	*** 48500**	**34900**	**37700**	**27500**	**30800**	**22600**
-1.5 m			* 27200	* 27200	* 27200	21300	* 21800	15650	17000	12350	14800	10850
-5'			*** 69900**	*** 69900**	*** 60000**	**47000**	*** 48100**	**34500**	**37400**	**27200**	**32600**	**23900**
-3.0 m	* 25700	* 25700	* 31850	* 31850	* 25450	21400	* 20550	15700	* 16450	12400	* 15700	12000
-10'	*** 56600**	*** 56600**	*** 70200**	*** 70200**	*** 56200**	**47200**	*** 45300**	**35200**	*** 36300**	**27400**	*** 34600**	**26500**
-4.6 m	* 33200	* 33200	* 27300	* 27300	* 22150	21700	* 17650	15950			* 15350	14300
-15'	*** 73200**	*** 73200**	*** 60100**	*** 60100**	*** 48800**	**47900**	*** 38900**	**35200**			*** 33900**	**31500**
-6.1 m			* 20050	* 20050	* 16000	* 16000					* 13900	* 13900
-20'			*** 44200**	*** 44200**	*** 35300**	*** 35300**					*** 30600**	*** 30600**

*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



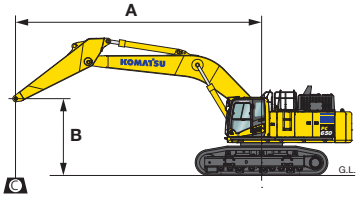
A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗ : Rating at maximum reach

Conditions:
- Boom length: 7660 mm **25' 2"**
- Arm length: 4300 mm **14' 1"**
- Shoe: 750 mm **29.5"** triple grouser
- Bucket: None
- Track gauge in extended position

Arm: 4300 mm **14'1"** **Bucket:** None **Shoes:** 750 mm **29.5"** triple grouser **Unit:** kg lb

A / B	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
9.1 m									* 11350	* 11350	* 9950	* 9950
30'									*** 25100**	*** 25100**	*** 21900**	*** 21900**
7.6 m									* 13700	13700	* 9600	* 9600
25'									*** 30200**	**30200**	*** 21200**	*** 21200**
6.1 m									* 14250	13600	* 9550	* 9550
20'									*** 31400**	**30000**	*** 21100**	*** 21100**
4.6 m					* 20200	* 20200	* 17050	17050	* 16150	13200	* 9700	9400
15'					*** 44600**	*** 44600**	*** 37600**	**37600**	*** 33400**	**29100**	*** 21400**	**20800**
3.0 m					* 23350	22750	* 18500	* 16550	* 16200	12800	* 10050	9050
10'					*** 51500**	**50200**	*** 41500**	*** 36500**	*** 35700**	**28200**	*** 22200**	**19900**
1.5 m					* 25850	21650	* 20350	15900	17000	12400	* 10650	8900
5'					*** 57000**	**47700**	*** 44900**	**35100**	**37500**	**27300**	*** 23500**	**19700**
0 m			* 20400	* 20400	* 27100	20950	* 21350	15400	16650	12050	* 11550	9050
0'			*** 45000**	*** 45000**	*** 59800**	**46200**	*** 47100**	**34000**	**36700**	**26600**	*** 25500**	**19900**
-1.5 m	* 14750	* 14750	* 26200	* 26200	* 27200	20650	21350	15150	16450	11850	* 12900	9450
-5'	*** 32500**	*** 32500**	*** 57800**	*** 57800**	*** 59900**	**45500**	**47000**	**33400**	**36300**	**26100**	*** 28500**	**20900**
-3.0 m	* 22500	* 22500	* 33650	32250	* 26100	20650	* 20900	15050	16400	11850	14150	10300
-10'	*** 49600**	*** 49600**	*** 74200**	**71100**	*** 57500**	**45400**	*** 46100**	**33200**	**36200**	**26100**	**31200**	**22700**
-4.6 m	* 31950	* 31950	* 29950	* 29950	* 23650	20800	* 19000	15200	* 14850	12050	* 14500	11850
-15'	*** 70500**	*** 70500**	*** 66000**	*** 66000**	*** 52200**	**45900**	*** 41900**	**33500**	*** 32800**	**26600**	*** 32000**	**26200**
-6.1 m	* 30300	* 30300	* 24100	* 24100	* 19300	* 19300	* 14750	* 14750			* 13900	* 13900
-20'	*** 66800**	*** 66800**	*** 53200**	*** 53200**	*** 42500**	*** 42500**	*** 32500**	*** 32500**			*** 30700**	*** 30700**

*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: 7660 mm **25' 2"**
- Arm length: 4300 mm **14' 1"**
- Shoe: 900 mm **35.5"** triple grouser
- Bucket: None
- Track gauge in extended position

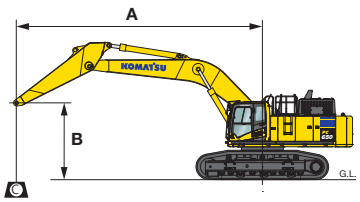
Arm: 4300 mm **14'1"** **Bucket:** None **Shoes:** 900 mm **35.5"** triple grouser **Unit:** kg lb

A / B	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
9.1 m									* 11350	* 11350	* 9950	* 9950
30'									*** 25100**	*** 25100**	*** 21900**	*** 21900**
7.6 m									* 13700	* 13700	* 9600	* 9600
25'									*** 30200**	*** 30200**	*** 21200**	*** 21200**
6.1 m									* 14250	13750	* 9550	* 9550
20'									*** 31400**	**30300**	*** 21100**	*** 21100**
4.6 m					* 20200	* 20200	* 17050	* 17050	* 16150	13350	* 9700	9550
15'					*** 44600**	*** 44600**	*** 37600**	*** 37600**	*** 33400**	**29500**	*** 21400**	**21000**
3.0 m					* 23350	23050	* 18500	16750	* 16200	12950	* 10050	9150
10'					*** 51500**	**50800**	*** 41500**	**36900**	*** 35700**	**28500**	*** 22200**	**20200**
1.5 m					* 25850	21900	* 20350	16100	* 17100	12550	* 10650	9050
5'					*** 57000**	**48300**	*** 44900**	**35500**	*** 37700**	**27700**	*** 23500**	**19900**
0 m			* 20400	* 20400	* 27100	21200	* 21350	15600	16900	12250	* 11550	9150
0'			*** 45000**	*** 45000**	*** 59800**	**46800**	*** 47100**	**34400**	**37200**	**27000**	*** 25500**	**20200**
-1.5 m	* 14750	* 14750	* 26200	* 26200	* 27200	20900	* 21600	15350	16700	12050	* 12900	9150
-5'	*** 32500**	*** 32500**	*** 57800**	*** 57800**	*** 59900**	**46100**	*** 47600**	**33800**	**36800**	**26600**	*** 28500**	**20200**
-3.0 m	* 22500	* 22500	* 33650	32700	* 26100	20850	* 20900	15250	16650	12000	14350	10450
-10'	*** 49600**	*** 49600**	*** 74200**	**72100**	*** 57500**	**46000**	*** 46100**	**33700**	**36700**	**26500**	**31600**	**23000**
-4.6 m	* 31950	* 31950	* 29950	* 29950	* 23650	21050	* 19000	15400	* 14850	12200	* 14500	12050
-15'	*** 70500**	*** 70500**	*** 66000**	*** 66000**	*** 52200**	**46400**	*** 41900**	**34000**	*** 32800**	**26900**	*** 32000**	**26500**
-6.1 m	* 30300	* 30300	* 24100	* 24100	* 19300	* 19300	* 14750	* 14750			* 13900	* 13900
-20'	*** 66800**	*** 66800**	*** 53200**	*** 53200**	*** 42500**	*** 42500**	*** 32500**	*** 32500**			*** 30700**	*** 30700**

*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



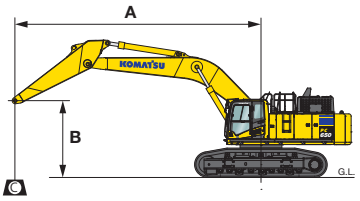
A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗ : Rating at maximum reach

Conditions:
- Boom length: 7660 mm **25' 2"**
- Arm length: 5200 mm **17' 1"**
- Shoe: 750 mm **29.5"** triple grouser
- Bucket: None
- Track gauge in extended position

Arm: 5200 mm **17'1"** **Bucket:** None **Shoes:** 750 mm **29.5"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗ Cf	MAX ⊗ Cs
9.1 m **30'**											* 7850 * **17300**	* 7850 * **17300**
7.6 m **25'**											* 7600 * **16800**	* 7600 * **16800**
6.1 m **20'**									* 12900 * **28500**	* 12900 * **28500**	* 7600 * **16700**	* 7600 * **16700**
4.6 m **15'**							* 15450 * **34000**	* 15450 * **34000**	* 13950 * **30700**	13400 **29600**	* 7700 * **16900**	* 7700 * **16900**
3.0 m **10'**			* 28550 * **62900**	* 28550 * **62900**	* 21150 * **46700**	* 21150 * **46700**	* 17400 * **38300**	16850 **37200**	* 15100 * **33300**	12900 **28500**	* 7950 * **17500**	* 7950 * **17500**
1.5 m **5'**			* 28250 * **62200**	* 28250 * **62200**	* 24150 * **53300**	22050 **48600**	* 19200 * **42300**	16050 **35400**	* 16250 * **35800**	12450 **27400**	* 8350 * **18400**	8000 **17600**
0 m **0'**			* 23200 * **51200**	* 23200 * **51200**	* 26150 * **57700**	21050 **46500**	* 20500 * **45300**	15450 **34100**	16650 **36700**	12050 **26600**	* 8950 * **19700**	8050 **17800**
-1.5 m **-5'**	* 14200 * **31300**	* 14200 * **31300**	* 25700 * **56600**	* 25700 * **56600**	* 26950 * **59500**	20500 **45200**	* 21250 * **46900**	15050 **33200**	16350 **36000**	11750 **26000**	* 9850 * **21700**	8350 **18400**
-3.0 m **-10'**	* 19800 * **43700**	* 19800 * **43700**	* 31450 * **69400**	* 31450 * **69400**	* 26650 * **58700**	20300 **44800**	* 21050 * **46400**	14850 **32800**	16200 **35700**	11650 **25700**	* 11200 * **24700**	8950 **19800**
-4.6 m **-15'**	* 26700 * **58900**	* 26700 * **58900**	* 32550 * **71800**	32000 **70500**	* 25100 * **55300**	20350 **44900**	* 20050 * **44200**	14850 **32800**	16250 **35800**	11650 **25700**	* 13500 * **29700**	10050 **22100**
-6.1 m **-20'**	* 35950 * **79300**	* 35950 * **79300**	* 28100 * **61900**	* 28100 * **61900**	* 22000 * **48500**	* 20700 * **45600**	* 17500 * **38600**	15100 **33300**			* 13400 * **29600**	12050 **26500**

*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: 7660 mm **25' 2"**
- Arm length: 5200 mm **17' 1"**
- Shoe: 900 mm **35.5"** triple grouser
- Bucket: None
- Track gauge in extended position

Arm: 5200 mm **17'1"** **Bucket:** None **Shoes:** 900 mm **35.5"** triple grouser **Unit:** kg **lb**

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX ⊗ Cf	MAX ⊗ Cs
9.1 m **30'**											* 7850 * **17300**	* 7850 * **17300**
7.6 m **25'**											* 7600 * **16800**	* 7600 * **16800**
6.1 m **20'**									* 12900 * **28500**	* 12900 * **28500**	* 7600 * **16700**	* 7600 * **16700**
4.6 m **15'**							* 15450 * **34000**	* 15450 * **34000**	* 13950 * **30700**	13550 **29900**	* 7700 * **16900**	* 7700 * **16900**
3.0 m **10'**			* 28550 * **62900**	* 28550 * **62900**	* 21150 * **46700**	* 21150 * **46700**	* 17400 * **38300**	17050 **37600**	* 15100 * **33300**	13100 **28800**	* 7950 * **17500**	* 7950 * **17500**
1.5 m **5'**			* 28250 * **62200**	* 28250 * **62200**	* 24150 * **53300**	22300 **49200**	* 19200 * **42300**	16250 **35900**	* 16250 * **35800**	12600 **27800**	* 8350 * **18400**	8100 **17800**
0 m **0'**			* 23200 * **51200**	* 23200 * **51200**	* 26150 * **57700**	21350 **47100**	* 20500 * **45300**	15650 **34500**	16850 **37200**	12200 **26900**	* 8950 * **19700**	8150 **18000**
-1.5 m **-5'**	* 14200 * **31300**	* 14200 * **31300**	* 25700 * **56600**	* 25700 * **56600**	* 26950 * **59500**	20800 **46800**	* 21250 * **46900**	15250 **33600**	16550 **36500**	11950 **26300**	* 9850 * **21700**	8500 **18700**
-3.0 m **-10'**	* 19800 * **43700**	* 19800 * **43700**	* 31450 * **69400**	* 31450 * **69400**	* 26650 * **58700**	20550 **45400**	* 21050 * **46400**	15050 **33200**	16450 **36200**	11800 **26000**	* 11200 * **24700**	9100 **20000**
-4.6 m **-15'**	* 26700 * **58900**	* 26700 * **58900**	* 32550 * **71800**	32400 **71400**	* 25100 * **55300**	20650 **45500**	* 20050 * **44200**	15050 **33200**	* 16300 * **35900**	11850 **26100**	* 13500 * **29700**	10200 **22400**
-6.1 m **-20'**	* 35950 * **79300**	* 35950 * **79300**	* 28100 * **61900**	* 28100 * **61900**	* 22000 * **48500**	20950 **46200**	* 17500 * **38600**	15300 **33700**			* 13400 * **29600**	12200 **26900**

*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.

NOTES

STANDARD EQUIPMENT

ENGINE
- Alternator & A/C compressor auto-tensioner
- Automatic engine warm-up system
- Dry type air cleaner, double element
- Engine, Komatsu SAA6D140E-7
- Fuel pre-filter with water separator
- Variable speed cooling fan, hydraulic drive, reversible

ELECTRICAL SYSTEM
- Alternator, 24 V/90 A
- Auto-decelerator
- Batteries, 2 x 12 V/170 Ah
- Battery disconnect switch
- Circuit breaker
- Horn, electric
- Horn interconnected with warning light
- Power supply, 12 V
- Starting motor, 24 V/11 kW
- Step light with timer
- Working light, 2 (Boom and RH)
- Working lights, 2 on cab

HYDRAULIC SYSTEM
- 3-mode system (Power, Economy, Lifting)
- Arm holding valve
- Boom holding valve
- Fully hydraulic, with Open-Center Load-Sensing and engine speed sensing (Pump and engine control system)
- In-line high pressure filters
- Power maximizing system
- Pressure Proportional Control (PPC) hydraulic control system
- Shockless control system for boom
- Two-mode setting for boom

GUARDS AND COVERS
- Fan guard structure
- Strengthened revolving frame underguard
- Track frame undercover (Center)

UNDERCARRIAGE
- Hydraulic track adjusters (Each side)
- Track roller, 9 (Each side)
- Track shoe, 900 mm **35.5"** triple grouser
- Variable track gauge

OPERATOR ENVIRONMENT
- A/C with defroster
- AM/FM radio
- Auxiliary input (3.5 mm jack)
- Cab with pull-up type front window
- Engine shut down secondary switch
- High-back suspension seat, heated
- Large high resolution LCD monitor
- Lock lever
- Mirrors (RH, LH)
- Operator protective top guard (OPG), level 1 (ISO 12117-2)
- Rear view monitor system
- Seat belt, retractable, 78 mm
- Washable cab floor mat

OTHER EQUIPMENT
- Counterweight, 11955 kg **26,358 lbs**
- Electric priming pump for fuel
- Equipment Management Monitoring System
- Grease gun, electric pump type
- Hand rails & guard rails
- KOMTRAX
- One-touch engine oil drainage
- Preventive Maintenance (PM) tune-up service connector
- Rear reflector
- Slip-resistant plates
- Travel alarm
- Wide walkway

OPTIONAL EQUIPMENT

GUARDS AND COVERS
- Cab guards
  - —Bolt-on top guard, OPG Level 2 (ISO 10262)
  - —Full front guard, OPG Level 2 (ISO 10262)
- Track roller guard (Full length)

OPERATOR ENVIRONMENT
- Cab accessories
  - —Rain visor
  - —Sun visor
- KomVision

OTHER EQUIPMENT
- Counterweight removal device with 10657 kg **23,496 lb** counterweight

WORK EQUIPMENT
- Arms
  - —3500 mm arm **11'6"** arm assembly
  - —4300 mm arm **14'1"** arm assembly
  - —5200 mm arm **17'1"** arm assembly
- Boom
  - —7660 mm **25'1** boom assembly
  - —boom cylinders only

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KOMATSU®

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

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