KOMATSU

PC650LC-11

hydraulic excavator

Photo may include optional equipment

Net horsepower
436 HP (325 kW) @ 1,800 rpm

Operating weight
140,456-145,284 lbs. (63,710-65,900 kg)

Bucket capacity
2.05-4.98 yd^3 (1.57-3.81 m^3)

Versatility and high performance for heavy-duty applications

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Heavy-duty features for heavy-duty jobs

Power and performance

Powered by a Komatsu SAA6D140E-7 engine delivering 325 kW (436 HP), EPA Tier 4 Final certified. A variable geometry turbocharger (VGT) ensures precise air-fuel control and responsive performance.

Three working modes — "power," "economy" and "lift" — optimize engine speed, hydraulic flow and pressure for any application.

Advanced hydraulics

Komatsu's open-center load sensing system (OLSS) delivers smooth, responsive multi-function operation by balancing pump pressure and flow. Two boom modes — "power" and "soft" — adapt to digging or precision work on hard surfaces.

Efficiency and emissions

Komatsu diesel particulate filter (KDPF) and selective catalytic reduction (SCR) reduce emissions with automatic regeneration that won't interrupt operation. Auto idle shutdown and a hydraulically driven, reversible cooling fan help reduce fuel consumption and maintenance.

Smart technology

Komtrax telematics comes standard with no subscription fees, providing machine location, utilization, maintenance data and remote diagnostics via web or mobile. The operator identification system records Komtrax machine operation and application data for up to 100 individual codes.

Operator environment

Spacious cab designed for comfort and productivity:

- Heated air suspension seat with adjustable armrests
- Automatic climate control
- 7" high-resolution LCD monitor with integrated controls and fuel-saving guidance
- Low noise levels and ISO Level 1 OPG top guard

Visibility and safety

KomVision bird's-eye view camera system and rearview display improve jobsite awareness. Handrails and well-placed service access points enhance safety and convenience.

Serviceability

Grouped maintenance points and wide access doors simplify routine service. The battery disconnect switch allows safe servicing.

Durability and design

Komatsu-designed components and a heavy-duty boom with large one-piece castings provide long-term strength and reliability.

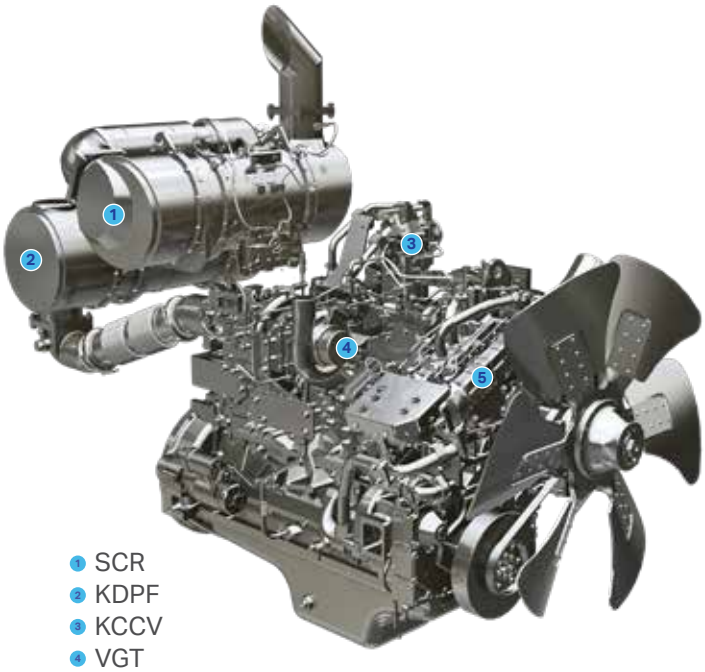
Productivity and transportability

Ideal for high-production loading of 30–40-ton trucks and deep trenching applications. Designed for easy transport with reduced disassembly and faster jobsite relocation.

Performance features

Komatsu's emission regulations-compliant engine

This engine reduces NOx emissions with refined Tier 4 Interim technologies. Komatsu has developed a selective catalytic reduction (SCR) device in-house.

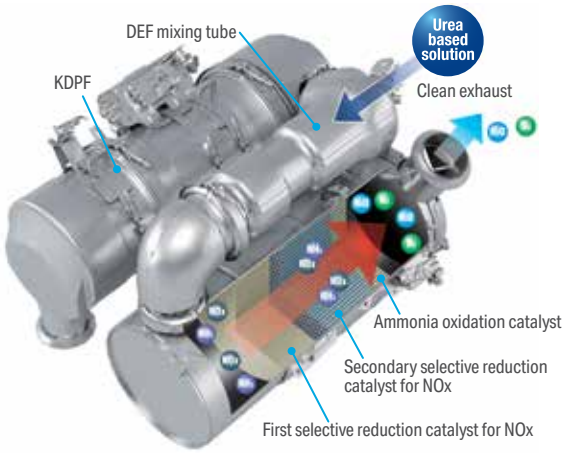


1. SCR
2. KDPF
3. KCCV
4. VGT
5. Cooled EGR

Technologies applied to engine

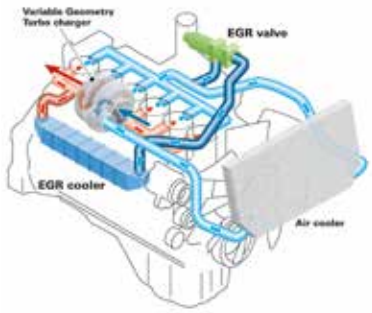
Heavy-duty aftertreatment system

This 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.

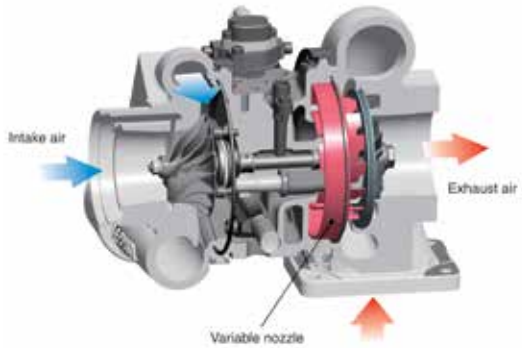


Advanced electronic control system

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle and engine to support control of equipment in varying conditions. The engine status is displayed via an on-board network on the in-cab monitor, providing valuable information to the operator. Also, managing Komtrax information helps customers engage in required maintenance.

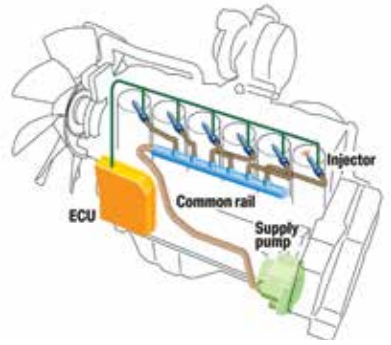
Variable geometry turbocharger (VGT) system

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 particular matter (PM) emissions.



Fuel consumption Up to **6% decrease**

*compared to PC650LC-8E0
**based on typical work pattern collected via KOMTRAX

Auto idle shutdown

The auto idle shutdown feature 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 and reliability

Large digging force

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

Maximum arm crowd force (ISO)

234 kN (23.5 t) → 246 kN (25.1 t) 6.5% increase

Maximum bucket digging force (ISO)

301 kN (30.3 t) → 317 kN (32.3 t) 6.5% increase

*Measured with Power Max. function, 3,500 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

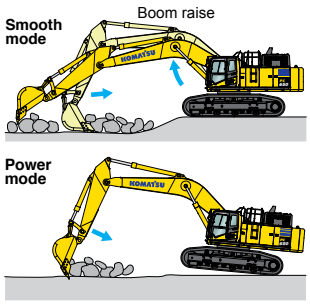
Standard arm and boom holding valves provide superior drift control when lifting heavy structures.

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.

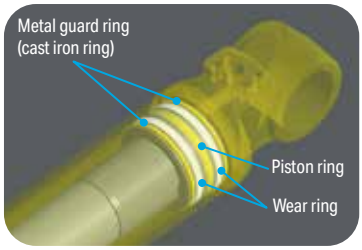


High rigidity work equipment

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.

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.

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.

DT-Type connectors

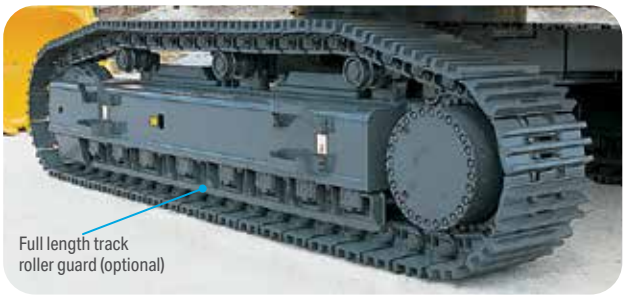
Sealed connectors seal tight and have higher reliability.

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.

Production and truck matching

Designed for high production loading for a variety of hauling trucks

Pass matching

	Capacity	HM300-5 (30 ton)	HM460-5 (46 ton)	HD325-8 (40 ton)	HD405-8 (44 ton)	HD465-55 (61 ton)	HD605-5 (69 ton)
PC650LC-11	4.5 yd^3	5 passes	7 passes	7 passes	7 passes	9 passes	11 passes
PC650LC-11 SE	6.5 yd^3	3 passes	5 passes	5 passes	5 passes	7 passes	8 passes

SE arrangement (optional)

- Work equipment designed for large buckets and maximum productivity
- Ideal for mining, quarry, and mass excavation applications
- Shorter boom (21′ 6″) and arm (9′ 6″) configuration
- Increased digging forces over standard 14′ 1″ arm configuration. Arm force increased up to 53% and bucket force up to 20%
- Reinforced boom and arm plates for heavy duty applications higher production operations
- Arrangement allows up to a 40% larger bucket capacity for high production applications

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 armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest 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 and closing skylight

Defroster (conform to the ISO 10263-5)

AM/FM stereo radio and ashtray

Cigarette lighter

Magazine box and cup holder

Front lower window glass storage

Working environment

Machine monitor with evolutionary interface

The interface has been redesigned to enable the necessary information to be read and understood easily. 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

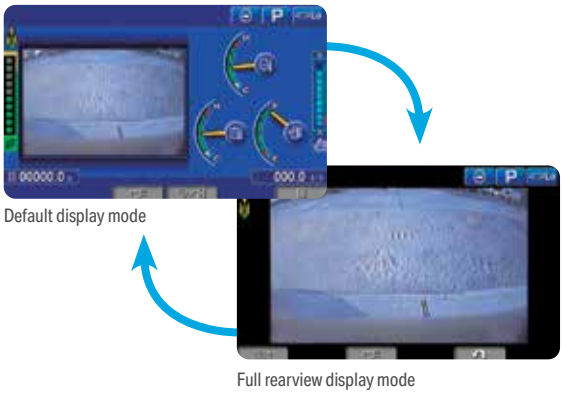
1. Auto-decelerator
2. Working mode selector
3. Travel speed selector
4. Buzzer cancel
5. Wiper
6. Window washer

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 (standard)

A 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.

Maintenance features

Centralized engine check points

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

Battery disconnect switch

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

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.

Reversible cooling fan

A reversible hydraulically driven fan helps maintain clean cooler cores.

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

Long-life oil, filter

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

Engine oil and engine oil filter	every **500** hours
Hydraulic oil	every **5,000** hours
Hydraulic oil filter	every **1,000** hours

Hydraulic oil filter

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.

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 lbs.) and counterweight (23,496-26,345 lbs.) reduces transportation weight down to 105,000 lbs. (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.

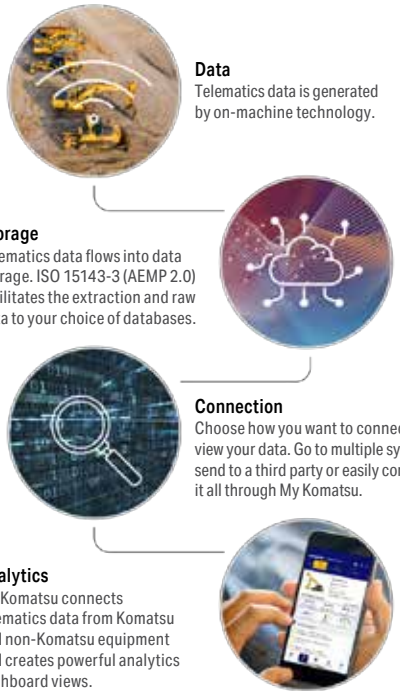
Komatsu helps you bring it all together

Get the most out of your fleet with My Komatsu

We've designed a portal that makes it easy to collect, visualize and monitor data for both Komatsu machines and other OEM machines. My Komatsu also gives you one easy source for accessing manuals and purchasing parts for your machines.

- Quickly collect, view and manage intuitive data displays in one location
- Help keep costs under control
- Benchmark machine performance and track fuel consumption
- Monitor for theft and unauthorized use
- Receive timely maintenance alerts

My Komatsu, our comprehensive portal, analyzes telematics data from your on-machine technology — Komtrax, Komtrax Plus or from other OEMs — and displays it on easy-to-read dashboards. Now you can get the powerful analytics you need to manage your costs and enhance your fleet's efficiency without a complicated process or expensive third-party solutions.



Data
Telematics data is generated by on-machine technology.

Storage
Telematics data flows into data storage. ISO 15143-3 (AEMP 2.0) facilitates the extraction and raw data to your choice of databases.

Connection
Choose how you want to connect and view your data. Go to multiple systems, send to a third party or easily connect it all through My Komatsu.

Analytics
My Komatsu connects telematics data from Komatsu and non-Komatsu equipment and creates powerful analytics dashboard views.

mykomatsu.komatsu

Get more from an IMC machine with Smart Construction

You can have more control over your projects, efficiency and profitability when data is easily shared, replicated, updated and analyzed. That's what Smart Construction software, services and solutions are all about.

An IMC excavator is capable of digging to plan with incredible precision and efficiency when working off a 3D design.

Have paper plans turned into digital 3D design files with our **Smart Construction Design** service.

Transfer files wirelessly to any cellular connected machine or data collector — from almost anywhere — with **Smart Construction Remote**, saving hours of time. You can also review near real-time machine data with a phone or computer.

As an excavator digs it tracks as-built data. **Smart Construction**, a productivity tracking, site visualization and site management tool can easily quantify production and easily report to and invoice clients.

We can help you implement these solutions and even train your staff to use them. Technology solution experts and trainers are available by phone, online or at your job site to help you thrive on your digitalization journey.

komatsu.com/smart-construction

Komatsu maintenance and repair programs

Get the service and repairs you need your way. Komatsu offers a tiered maintenance and repair program that simplifies the upkeep of your machine to help control operating costs and get the most from your equipment. Manage your active coverage programs through the My Komatsu customer interface and take advantage of attractive financing options.

- Solutions that fit your needs and ease your mind
- Fixed maintenance and repair costs for the life of the contract
- National coverage

Komatsu Care Complimentary
Complimentary maintenance

Our complimentary scheduled maintenance program for the first three years or 2,000 hours, whichever occurs first.

Komatsu Care Plus
Extended maintenance

A continuation of the Komatsu Care program. Along with regularly scheduled maintenance and national distributor coverage, you get a variety of added benefits.

Komatsu Care Plus II
Extended maintenance and repair

Everything in the Komatsu Care Plus program bundled with comprehensive repair coverage for qualifying repairs.

Komatsu Care Plus III
Extended maintenance, repair and consumables

A comprehensive program that simplifies your equipment's total cost of ownership with a fixed cost per hour for qualifying repairs and replacements.

Komatsu Care Advantage Warranty
Extended warranty

Protect your equipment in the event a covered component fails due to a defect in material or workmanship. Repairs are performed by Komatsu-trained experts using Komatsu genuine parts.

komatsu.com/maintenance-repair

Komatsu Financial

Financing can be a major advantage for your operation, enabling you to get the equipment and service you need with terms to fit your business needs. Komatsu Financial offers services built for your business success.

komatsu.com/financing

Komatsu Genuine Parts

Engineered to help extend the life of your Komatsu machine. Now available on the My Komatsu parts store.

komatsu.com/parts

Komatsu training

Comprehensive training support — virtually, at our facility or where most convenient.

komatsu.com/training

Specifications

Engine

Model		Komatsu SAA6D140E-7*
Type		Water-cooled, 4-cycle, direct injection
Aspiration		Turbocharged, aftercooled, cooled, EGR
Number of cylinders		6
Bore	5.51"	140 mm
Stroke	6.50"	165 mm
Piston displacement	930 in^3	15.24 L
Horsepower		
SAE J1995 (gross)	439 HP	327 kW
ISO 9249/SAE J1349 (net)	436 HP	325 kW
Rated rpm		1,800 rpm
Fan at maximum speed (net)	392 HP	293 kW
Fan drive method for radiator cooling		Hydraulic
Governor		All-speed control, electronic

*U.S. EPA Tier 4 final emission certified

Hydraulics

Type			Open-center load sensing system, three selectable working modes
Main pump			
Type			Variable capacity piston type
Pump for			Boom, arm, bucket, swing, and travel circuits
Maximum flow	2 x 108 gal/min		2 x 410/L/min
Sub-pump for control circuit			Gear type
Fan drive pump			Variable-capacity piston type
Hydraulic motors			
Travel			2 x piston motor with parking brake
Swing			2 x piston motor with swing holding brake
Relief valve setting			
Implement circuits	4,700 psi	32.4 MPA	330 kgf/cm^2
Travel circuit	4,980 psi	34.3 MPA	350 kgf/cm^2
Swing circuit	3,700 psi	25.5 MPA	260 kgf/cm^2
Pilot circuit	430 psi	2.9 MPA	30 kgf/cm^2
Number of hydraulic cylinders – bore x stroke x rod diameter			
Boom (2)	7.3" x 67.9" x 4.7"		185 mm x 1,725 mm x 120 mm
Arm (1)	7.9" x 80.5" x 5.5"		200 mm x 2,045 mm x 140 mm
Bucket (1)	7.3" x 56.1" x 5.1"		185 mm x 1,425 mm x 130 mm

Drive 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	93,250 lbf	415 kN	42,300 kgf
Gradeability			70%, 35°
Maximum travel speed (auto-shift)			Boom, arm, bucket, swing, and travel circuits
High	3.0 mph		4.9 km/h
Low	1.9 mph		3.0 km/h
Service brake			Hydraulic lock
Parking brake			Oil disc brake

Swing system

Driven by		Hydraulic motor (2)
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	154,481 ft.-lbs.	21,369 kg-m

Undercarriage

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

Sound performance

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

Coolant and lubricant capacity (refilling)

Fuel tank	232 US gal	880 L
Coolant	20.1 US gal	76 L
Engine	12.7 US gal	48 L
Final drive, each side	2.65 US gal	10 L
Swing drive	3.4 US gal	2 x 13 L
Hydraulic tank	95.1 US gal	360 L
DEF tank	16.4 US gal	62.2 L

Operating weight (approximate)

Operating weight includes 25' 2" (7,660 mm) one-piece boom, 11' 6" (3,500 mm) arm, ISO7451 heaped 3.53 yd^3 (2.70 m^3) bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment

Triple-grouser shoes	Operating weight	Ground pressure ISO16754
30", 750 mm	142,396 lbs. 64,590 kg	12.30 psi 0.86 kg/cm^2
35.5", 900 mm	144,292 lbs. 65,480 kg	10.3 psi 0.73 kg/cm^2

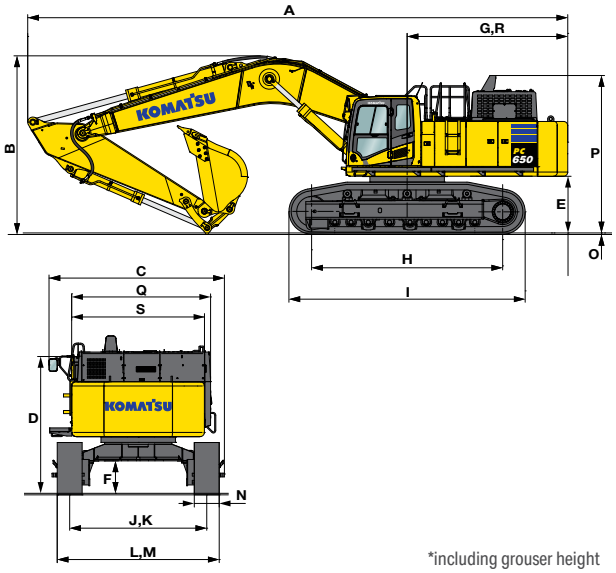
Component weights

Boom assembly including arm cylinder		
21' 8" (6,600 mm) SE boom assembly	10,604 lbs.	4,810 kg
25' 2" (7,600 mm) boom assembly	10,736 lbs.	4,870 kg
Boom cylinders only	2,205 lbs.	1,000 kg
Arm assembly including bucket cylinder and linkage		
9' 6" (2,900 mm) SE arm assembly	7,782 lbs.	3,530 kg
11' 6" (3,500 mm) arm assembly	7,099 lbs.	3,220 kg
14' 1" (4,300 mm) arm assembly	8,245 lbs.	3,740 kg
17' 1" (5,200 mm) arm assembly	9,171 lbs.	4,160 kg
Counterweight	26,345 lbs.	11,949 kg
Counterweight w/ remover	23,496 lbs.	10,657 kg
3.53 yd^3 (2.70 m^3) bucket - 54" width	7,379 lbs.	3,347 kg

Dimensions

Machine dimensions

		Arm length	11′ 4″ (3,500 mm)	14′ 1″ (4,300 mm)	17′ 1″ (5,200 mm)
A	Overall length		42′ 6″ (13,005 mm)	42′ 4″ (12,925 mm)	41′ 4″ (12,630 mm)
B	Overall height (to top of boom)*		14′ 1″ (4,300 mm)	15′ 2″ (4,655 mm)	17′ 2″ (5,235 mm)
C	Overall width		14″ (4,265 mm)		
D	Overall height (to top of cab)		10′ 8″ (3,290 mm)		
E	Ground clearance, counterweight		4′ 5″ (1,365 mm)		
F	Ground clearance (minimum)		2′ 7″ (780 mm)		
G	Tail swing radius		13″ (3,950 mm)		
H	Track length on ground		15′ 1″ (4,600 mm)		
I	Track length		18′ 8″ (5,690 mm)		
J	Track gauge when retracted		8′ 6″ (2,590 mm)		
K	Track gauge when expanded		10′ 10″ (3,300 mm)		
L	Width of crawler when retracted		11′ 6″ (3,490 mm)		
M	Width of crawler when expanded		13′ 10″ (4,200 mm)		
N	Shoe width		35.5″ (900 mm)		
O	Grouser height		1.5″ (37 mm)		
P	Machine height to top of engine cover		12′ 4″ (3,790 mm)		
Q	Machine upper width		11′ (3,345 mm)		
R	Distance, swing center to rear end		12′ 7″ (3,870 mm)		
S	Counterweight width		10′ 5″ (3,190 mm)		



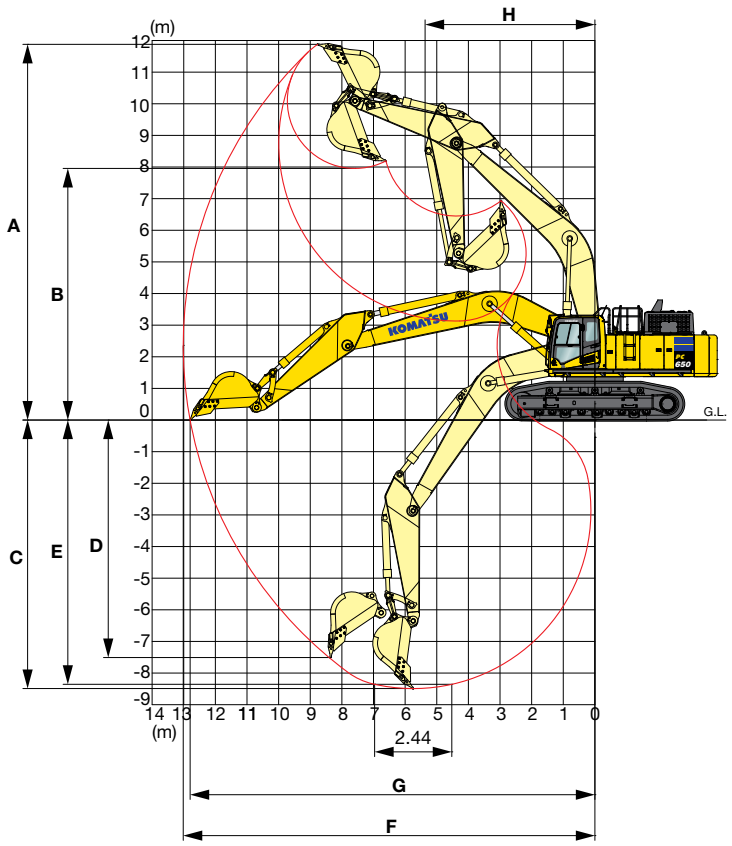
*including grouser height

Backhoe bucket, arm and boom combination

Bucket type	Bucket					SE boom (21′ 8″, 6.6 m)	Boom (25′ 2″, 7.6 m)		
	Capacity	Teeth	Width	Weight	Tip radius	9′ 6″ (2.9 m)	11′ 6″ (3.5 m)	14′ 1″ (4.3 m)	17′ 1″ (5.2 m)
Komatsu HP	2.05 yd³ (1.57 m³)	3	36″ (914 mm)	4,838 lbs. (2,194 kg)	81.3″ (1,772 mm)	●	●	●	●
	2.52 yd³ (1.93 m³)	4	42″ (1,067 mm)	5,143 lbs. (2,333 kg)	81.3″ (1,772 mm)	●	●	●	●
	3.00 yd³ (2.29 m³)	4	48″ (1,219 mm)	5,602 lbs. (2,541 kg)	81.3″ (1,772 mm)	●	●	●	○
	3.49 yd³ (2.67 m³)	5	54″ (1,372 mm)	6,101 lbs. (2,767 kg)	81.3″ (1,772 mm)	●	●	●	□
	3.98 yd³ (3.04 m³)	5	60″ (1,524 mm)	6,420 lbs. (2,912 kg)	81.3″ (1,772 mm)	●	●	○	⊙
	4.48 yd³ (3.43 m³)	6	66″ (1,676 mm)	7,312 lbs. (3,317 kg)	81.3″ (1,772 mm)	●	○	□	◊
	4.98 yd³ (3.81 m³)	6	72″ (1,829 mm)	7,663 lbs. (3,476 kg)	81.3″ (1,772 mm)	●	□	⊙	◊
Komatsu HPS	2.05 yd³ (1.57 m³)	3	36″ (914 mm)	4,917 lbs. (2,230 kg)	81.3″ (1,772 mm)	●	●	●	●
	2.52 yd³ (1.93 m³)	4	42″ (1,067 mm)	5,590 lbs. (2,535 kg)	81.3″ (1,772 mm)	●	●	●	●
	3.00 yd³ (2.29 m³)	4	48″ (1,219 mm)	6,119 lbs. (2,776 kg)	81.3″ (1,772 mm)	●	●	●	○
	3.49 yd³ (2.67 m³)	5	54″ (1,372 mm)	6,674 lbs. (3,027 kg)	81.3″ (1,772 mm)	●	●	●	□
	3.98 yd³ (3.04 m³)	5	60″ (1,524 mm)	7,045 lbs. (3,196 kg)	81.3″ (1,772 mm)	●	●	○	⊙
	4.48 yd³ (3.43 m³)	6	66″ (1,676 mm)	7,642 lbs. (3,466 kg)	81.3″ (1,772 mm)	●	○	□	◊
	4.98 yd³ (3.81 m³)	6	72″ (1,829 mm)	8,097 lbs. (3,673 kg)	81.3″ (1,772 mm)	●	□	⊙	◊
Komatsu HPX	2.05 yd³ (1.57 m³)	3	36″ (914 mm)	5,481 lbs. (2,486 kg)	81.3″ (1,772 mm)	●	●	●	●
	2.52 yd³ (1.93 m³)	4	42″ (1,067 mm)	6,294 lbs. (2,855 kg)	81.3″ (1,772 mm)	●	●	●	○
	3.00 yd³ (2.29 m³)	4	48″ (1,219 mm)	6,743 lbs. (3,058 kg)	81.3″ (1,772 mm)	●	●	●	□
	3.49 yd³ (2.67 m³)	5	54″ (1,372 mm)	7,379 lbs. (3,347 kg)	81.3″ (1,772 mm)	●	●	○	⊙
	3.98 yd³ (3.04 m³)	5	60″ (1,524 mm)	7,575 lbs. (3,436 kg)	81.3″ (1,772 mm)	●	○	□	◊
	4.48 yd³ (3.43 m³)	6	66″ (1,676 mm)	8,425 lbs. (3,822 kg)	81.3″ (1,772 mm)	●	□	⊙	◊
	4.98 yd³ (3.81 m³)	6	72″ (1,829 mm)	8,883 lbs. (4,029 kg)	81.3″ (1,772 mm)	●	□	⊙	◊
Komatsu XSX	5.00 yd³ (3.82 m³)	5	63″ (1,600 mm)	8,383 lbs. (3,802 kg)	81.3″ (1,772 mm)	●	□	◊	◊
	5.50 yd³ (4.20 m³)	5	68″ (1,727 mm)	8,732 lbs. (3,956 kg)	81.3″ (1,772 mm)	●	⊙	◊	◊
	6.00 yd³ (4.50 m³)	5	73″ (1,854 mm)	9,119 lbs. (4,136 kg)	81.3″ (1,772 mm)	○	◊	◊	◊
	6.50 yd³ (4.96 m³)	6	78″ (1,981 mm)	9,486 lbs. (4,302 kg)	81.3″ (1,772 mm)	□	◊	◊	◊
	7.00 yd³ (5.30 m³)	6	83″ (2,108 mm)	9,854 lbs. (4,469 kg)	81.3″ (1,772 mm)	□	◊	◊	◊
	7.50 yd³ (5.70 m³)	6	83″ (2,108 mm)	10,248 lbs. (4,648 kg)	81.3″ (1,772 mm)	□	◊	◊	◊

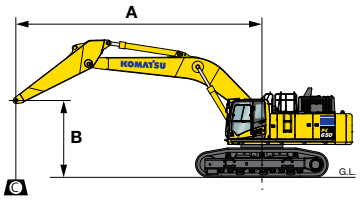
● - Used with material weights up to 3,500 lb/yd³ – Quarry/rock/high abrasion applications
□ - Used with material weights up to 2,500 lb/yd³ – General construction
○ - Used with material weights up to 3,000 lb/yd³ – Tough digging applications
⊙ - Used with material weights up to 2,000 lb/yd³ – Light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

Working range



Working range		SE		Standard	
	Boom length	21' 6" (6,600 mm)	25' 2" (7,600 mm)	25' 2" (7,600 mm)	25' 2" (7,600 mm)
	Arm length	9' 6" (2,900 mm)	11' 6" (3,500 mm)	14' 1" (4,300 mm)	17' 1" (5,200 mm)
A	Max. digging height	36' 6" (1,150 mm)	39' (11,880 mm)	40' (12,180 mm)	41' 3" (12,560 mm)
B	Max. dumping height	23' 6" (7,210 mm)	26' 1" (7,960 mm)	27' 1" (8,245 mm)	28' 3" (8,600 mm)
C	Max. digging depth	23' 2" (7,060 mm)	27' 10" (8,490 mm)	30' 5" (9,275 mm)	33' 7" (10,225 mm)
D	Max. vertical wall digging depth	18' 4" (5,620 mm)	24' 8" (7,510 mm)	27' 6" (8,375 mm)	30' 5" (9,275 mm)
E	Max. digging depth for 8' level bottom	22' 6" (6,910 mm)	27' 5" (8,360 mm)	30' 1" (9,175 mm)	33' 3" (10,125 mm)
F	Max. digging reach	37' 9" (11,550 mm)	42' 9" (13,020 mm)	45' 1" (13,740 mm)	48' (14,630 mm)
G	Max. digging reach at ground level	37' (11,300 mm)	42' (12,800 mm)	44' 6" (13,555 mm)	47' 4" (14,435 mm)
H	Min. swing radius	15' 3" (4,670 mm)	17' 7" (5,370 mm)	17' 8" (5,385 mm)	18' 1" (5,510 mm)
SAE rating	Bucket digging force	312 kN (70,040 lb/31,770 kg)	285 kN (64,150 lb/29,100 kg)	285 kN (64,150 lb/29,100 kg)	285 kN (64,150 lb/29,100 kg)
SAE rating	Arm crowd force	280 kN (62,830 lb/28,500 kg)	238 kN (53,570 lb/24,300 kg)	209 kN (46,960 lb/21,300 kg)	182 kN (41,010 lb/18,600 kg)
ISO rating	Bucket digging force	362 kN (81,350 lb/36,900 kg)	317 kN (71,210 lb/32,300 kg)	317 kN (71,210 lb/32,300 kg)	317 kN (71,210 lb/32,300 kg)
ISO rating	Arm crowd force	293 kN (65,920 lb/29,900 kg)	246 kN (55,340 lb/25,100 kg)	218 kN (48,940 lb/22,200 kg)	189 kN (42,550 lb/19,300 kg)

Lift capacities



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:
- 25' 2" (7,660 mm) one-piece boom
- 11' 6" (3,500 mm) arm length
- 29.5" (750 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position

Specification: 25' 2" boom, 11' 6" arm, bucketless, **29.5" shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30' 9.1 m		25' 7.6 m		20' 6.1 m		15' 4.6 m		10' 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m	* **27,700** 12,550	* **27,700** 12,550										
25' 7.6 m	* **26,700** 12,150	* **26,700** 12,150	* **33,300** 15,100	* **30,200** 13,700								
20' 6.1 m	* **26,600** 12,050	**25,100** 11,350	* **34,200** 15,500	**29,800** 13,500	* **37,300** 16,950	* **37,300** 16,950						
15' 4.6 m	* **27,100** 12,300	**23,200** 10,050	* **35,900** 16,300	**29,100** 13,200	* **40,800** 18,500	**37,900** 17,200	* **49,200** 22,350	* **49,200** 22,350				
10' 3.0 m	* **28,200** 12,800	**22,200** 10,050	* **37,900** 17,200	**28,300** 12,850	* **44,400** 20,100	**36,500** 16,550	* **55,700** 25,250	**49,700** 22,550				
5' 1.5 m	**29,700** 13,450	**21,900** 9,950	**37,700** 17,100	**27,600** 12,550	* **47,200** 21,400	**35,300** 16,000	* **60,000** 27,200	**47,800** 21,650				
0' 0 m	**30,300** 13,750	**22,400** 10,150	**37,200** 16,850	**27,100** 12,300	**48,200** 21,850	**34,500** 15,650	* **61,300** 27,800	**46,700** 21,200				
-5' -1.5 m	**32,200** 14,600	**23,600** 10,700	**36,900** 16,750	**26,900** 12,200	**47,800** 21,650	**34,100** 15,450	* **60,000** 27,200	**46,400** 21,050	* **59,900** 27,200	* **59,900** 27,200		
-10' -3.0 m	* **34,600** 15,700	**26,200** 11,850	* **36,300** 16,450	**27,000** 12,250	* **45,300** 20,550	**34,200** 15,500	* **56,100** 25,450	* **46,600** 21,150	* **70,200** 31,850	* **70,200** 31,850	* **56,600** 25,700	* **56,600** 25,700
-15' -4.6 m	* **33,900** 15,350	**31,100** 14,100			* **38,900** 17,650	**34,700** 15,750	* **48,800** 22,150	**47,300** 21,450	* **60,100** 27,300	* **60,100** 27,300	* **73,200** 33,200	* **73,200** 33,200
-20' -6.1 m	* **30,600** 13,900	* **30,600** 13,900					* **35,300** 16,000	* **35,300** 16,000	* **44,200** 20,050	* **44,200** 20,050		

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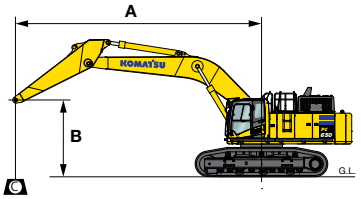

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
**: Rating at maximum reach

Conditions:
- 25' 2" (7,660 mm) one-piece boom
- 11' 6" (3,500 mm) arm length
- 35.5" (900 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position

Specification: 25' 2" boom, 11' 6" arm, bucketless, **35.5" shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30' 9.1 m		25' 7.6 m		20' 6.1 m		15' 4.6 m		10' 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m	* **27,700** 12,550	* **27,700** 12,550										
25' 7.6 m	* **26,700** 12,150	* **26,700** 12,150	* **33,300** 15,100	**30,600** 13,850								
20' 6.1 m	* **26,600** 12,050	**25,400** 11,500	* **34,200** 15,500	**30,200** 13,700	* **37,300** 16,950	* **37,300** 16,950						
15' 4.6 m	* **27,100** 12,300	**23,500** 10,650	* **35,900** 16,300	**29,500** 13,350	* **40,800** 18,500	**38,300** 17,400	* **49,200** 22,350	* **49,200** 22,350				
10' 3.0 m	* **28,200** 12,800	**22,500** 10,200	* **37,900** 17,200	**28,700** 13,000	* **44,400** 20,100	**36,900** 16,750	* **55,700** 25,250	**50,300** 22,800				
5' 1.5 m	* **30,100** 13,650	**22,200** 10,100	**38,200** 17,350	**28,000** 12,700	* **47,200** 21,400	**35,700** 16,200	* **60,000** 27,200	**48,400** 21,950				
0' 0 m	**30,800** 13,950	**22,600** 10,260	**37,700** 17,000	**27,500** 12,450	* **48,500** 21,800	**34,900** 15,850	* **61,300** 27,800	**47,300** 21,450				
-5' -1.5 m	**32,600** 14,800	**23,900** 10,850	**37,400** 17,000	**27,200** 12,350	* **48,100** 21,800	**34,500** 15,650	* **60,000** 27,200	**47,000** 21,300	* **69,900** 27,200	* **59,900** 27,200		
-10' -3.0 m	* **34,600** 15,700	**26,500** 12,000	* **36,300** 16,450	**27,400** 12,400	* **45,300** 20,550	**35,200** 15,700	* **56,200** 25,450	**47,200** 21,400	* **70,200** 31,850	* **70,200** 31,850	* **56,600** 25,700	* **56,600** 25,700
-15' -4.6 m	* **33,900** 15,350	**31,500** 14,300			* **38,900** 17,650	**35,200** 15,950	* **48,800** 22,150	**47,900** 21,700	* **60,100** 27,300	* **60,100** 27,300	* **73,200** 33,200	* **73,200** 33,200
-20' -6.1 m	* **30,600** 13,900	* **30,600** 13,900					* **35,300** 16,000	* **35,300** 16,000	* **44,200** 20,050	* **44,200** 20,050		

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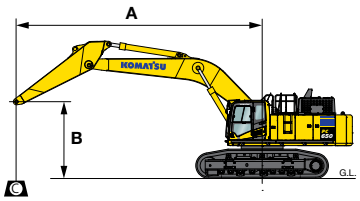

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
**: Rating at maximum reach

Conditions:
- 25′ 2″ (7,660 mm) one-piece boom
- 14′ 1″ (4,300 mm) arm length
- 29.5″ (750 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position

Specification: 25′ 2″ boom, 14′ 1″ arm, bucketless, **29.5″ shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30′ 9.1 m		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30′ 9.1 m	* **21,900** 9,950	* **21,900** 9,950	* **25,100** 11,350	* **25,100** 11,350								
25′ 7.6 m	* **21,200** 9,600	* **21,200** 9,600	* **30,200** 13,700	**30,200** 13,700								
20′ 6.1 m	* **21,100** 9,550	* **21,100** 9,550	* **31,400** 14,250	**30,000** 13,600								
15′ 4.6 m	* **21,400** 9,700	**20,800** 9,400	* **33,400** 16,150	**29,100** 13,200	* **37,600** 17,050	**37,600** 17,050	* **44,600** 20,200	* **44,600** 20,200				
10′ 3.0 m	* **22,200** 10,050	**19,900** 9,050	* **35,700** 16,200	**28,200** 12,800	* **41,500** 18,500	* **36,500** 16,550	* **51,500** 23,350	**50,200** 22,750				
5′ 1.5 m	**23,500** 10,650	**19,700** 8,900	**37,500** 17,000	**27,300** 12,400	* **44,900** 20,350	**35,100** 15,900	* **57,000** 25,850	**47,700** 21,650				
0′ 0 m	* **25,500** 11,550	**19,900** 9,050	**36,700** 16,650	**26,600** 12,050	* **47,100** 21,350	**34,000** 15,400	* **59,800** 27,100	**46,200** 20,950	* **45,000** 20,400	* **45,000** 20,400		
-5′ -1.5 m	* **28,500** 12,900	**20,900** 9,450	**36,300** 16,450	**26,100** 11,850	**47,000** 21,350	**33,400** 15,150	* **59,900** 27,200	**45,500** 20,650	* **57,800** 26,200	* **57,800** 26,200	* **32,500** 14,750	* **32,500** 14,750
-10′ -3.0 m	**31,200** 14,150	**22,700** 10,300	* **36,200** 16,400	**26,100** 11,850	* **46,100** 20,900	**33,200** 15,050	* **57,500** 26,100	**45,400** 20,650	* **74,200** 33,650	**71,100** 32,250	* **49,600** 22,500	* **49,600** 22,500
-15′ -4.6 m	* **32,000** 14,500	**26,200** 11,850	* **32,800** 14,850	**26,600** 12,050	* **41,900** 19,000	**34,500** 15,200	* **52,200** 23,650	**45,900** 20,800	* **66,000** 29,950	* **66,000** 29,950	* **70,500** 31,950	* **70,500** 31,950
-20′ -6.1 m	* **30,700** 13,900	* **30,700** 13,900			* **32,500** 14,750	* **32,500** 14,750	* **42,500** 19,300	* **42,500** 19,300	* **53,200** 24,100	* **53,200** 24,100	* **66,800** 30,300	* **66,800** 30,300

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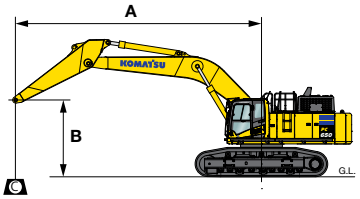

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
**: Rating at maximum reach

Conditions:
- 25′ 2″ (7,660 mm) one-piece boom
- 14′ 1″ (4,300 mm) arm length
- 35.5″ (900 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position

Specification: 25′ 2″ boom, 14′ 1″ arm, bucketless, **35.5″ shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30′ 9.1 m		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30′ 9.1 m	* **21,900** 9,950	* **21,900** 9,950	* **25,100** 11,350	* **25,100** 11,350								
25′ 7.6 m	* **21,200** 9,600	* **21,200** 9,600	* **30,200** 13,700	* **30,200** 13,700								
20′ 6.1 m	* **21,100** 9,550	* **21,100** 9,550	* **31,400** 14,250	**30,300** 13,750								
15′ 4.6 m	* **21,400** 9,700	**21,000** 9,550	* **33,400** 16,150	**29,500** 13,350	* **37,600** 17,050	* **37,600** 17,050	* **44,600** 20,200	* **44,600** 20,200				
10′ 3.0 m	* **22,200** 10,050	**20,200** 9,150	* **35,700** 16,200	**28,500** 12,950	* **41,500** 18,500	**36,900** 16,750	* **51,500** 23,350	**50,800** 23,050				
5′ 1.5 m	* **23,500** 10,650	**19,990** 9,050	* **37,700** 17,100	**27,700** 12,550	* **44,900** 20,350	**35,500** 16,100	* **57,000** 25,850	**48,300** 21,900				
0′ 0 m	* **25,500** 11,550	**20,200** 9,150	**37,200** 16,900	**27,000** 12,250	* **47,100** 21,350	**34,400** 15,600	* **59,800** 27,100	**46,800** 21,200	* **45,000** 20,400	* **45,000** 20,400		
-5′ -1.5 m	* **28,500** 12,900	**20,200** 9,150	**36,800** 16,700	**26,600** 12,050	* **47,600** 21,600	**33,800** 15,350	* **59,900** 27,200	**46,100** 20,900	* **57,800** 26,200	* **57,800** 26,200	* **32,500** 14,750	* **32,500** 14,750
-10′ -3.0 m	**31,600** 14,350	**23,000** 10,450	**36,700** 16,650	**26,500** 12,000	* **46,100** 20,900	**33,700** 15,250	* **57,500** 26,100	**46,000** 20,850	* **74,200** 33,650	* **72,100** 33,700	* **49,600** 22,500	* **49,600** 22,500
-15′ -4.6 m	* **32,000** 14,500	**26,500** 12,050	* **32,800** 14,850	**26,900** 12,200	* **41,900** 19,000	**34,000** 15,400	* **52,200** 23,650	**46,400** 21,050	* **66,000** 29,950	* **66,000** 29,950	* **70,500** 31,950	* **70,500** 31,950
-20′ -6.1 m	* **30,700** 13,900	* **30,700** 13,900			* **32,500** 14,750	* **32,500** 14,750	* **42,500** 19,300	* **42,500** 19,300	* **53,200** 24,100	* **53,200** 24,100	* **66,800** 30,300	* **66,800** 30,300

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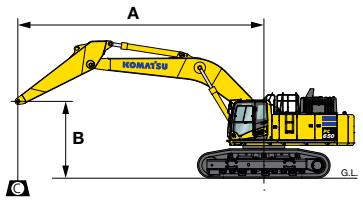
PC650LC-11



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:
- 25′ 2″ (7,660 mm) one-piece boom
- 17′ 1″ (5,200 mm) arm length
- 29.5″ (750 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position

Specification: 25′ 2″ boom, 17′ 1″ arm, bucketless, **29.5″ shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30′ 9.1 m		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30′ 9.1 m	* **17,300** 7,850	* **17,300** 7,850										
25′ 7.6 m	* **16,800** 7,600	* **16,800** 7,600										
20′ 6.1 m	* **16,700** 7,600	* **16,700** 7,600	* **28,500** 12,900	* **28,500** 12,900								
15′ 4.6 m	* **16,900** 7,700	* **16,900** 7,700	* **30,700** 13,950	**29,600** 13,400	* **34,000** 15,450	* **34,000** 15,450						
10′ 3.0 m	* **17,500** 7,950	* **17,500** 7,950	* **33,300** 15,100	**28,500** 12,900	* **38,300** 17,400	**37,200** 16,850	* **46,700** 21,150	* **46,700** 21,150	* **62,900** 28,550	* **62,900** 28,550		
5′ 1.5 m	* **18,400** 8,350	**17,600** 8,000	* **35,800** 16,250	**27,400** 12,450	* **42,300** 19,200	**35,400** 16,050	* **53,300** 24,150	**48,600** 22,050	* **62,200** 28,250	* **62,200** 28,250		
0′ 0 m	* **19,700** 8,950	**17,800** 8,050	**36,700** 16,650	**26,600** 12,050	**45,300** 20,500	**34,100** 15,450	* **57,700** 26,150	**46,500** 21,050	* **51,200** 23,200	* **51,200** 23,200		
-5′ -1.5 m	* **21,700** 9,850	**18,400** 8,350	**36,000** 16,350	**26,000** 11,750	**46,900** 21,250	**33,200** 15,050	* **59,500** 26,950	**45,200** 20,500	* **56,600** 25,700	* **56,600** 25,700	* **31,300** 14,200	* **31,300** 14,200
-10′ -3.0 m	* **24,700** 11,200	**19,800** 8,950	**35,700** 16,200	**25,700** 11,650	* **46,400** 21,050	**32,800** 14,850	* **58,700** 26,650	**44,800** 20,300	* **69,400** 31,450	* **69,400** 31,450	* **43,700** 19,800	* **43,700** 19,800
-15′ -4.6 m	* **29,700** 13,500	**22,100** 10,050	**35,800** 16,250	**25,700** 11,650	* **44,200** 20,050	**32,800** 14,850	* **55,300** 25,100	**44,900** 20,350	* **71,800** 32,550	**70,500** 32,000	* **58,900** 26,700	* **58,900** 26,700
-20′ -6.1 m	* **29,600** 13,400	**26,500** 12,050			* **38,600** 17,500	**33,300** 15,100	* **48,500** 22,000	* **45,600** 20,700	* **61,900** 28,100	* **61,900** 28,100	* **79,300** 35,950	* **79,300** 35,950

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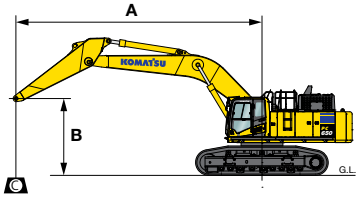

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
**: Rating at maximum reach

Conditions:
- 25′ 2″ (7,660 mm) one-piece boom
- 17′ 1″ (5,200 mm) arm length
- 35.5″ (900 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position

Specification: 25′ 2″ boom, 17′ 1″ arm, bucketless, **35.5″ shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30′ 9.1 m		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30′ 9.1 m	* **17,300** 7,850	* **17,300** 7,850										
25′ 7.6 m	* **16,800** 7,600	* **16,800** 7,600										
20′ 6.1 m	* **16,700** 7,600	* **16,700** 7,600	* **28,500** 12,900	* **28,500** 12,900								
15′ 4.6 m	* **16,900** 7,700	* **16,900** 7,700	* **30,700** 13,950	**29,900** 13,550	* **34,000** 15,450	* **34,000** 15,450						
10′ 3.0 m	* **17,500** 7,950	* **17,500** 7,950	* **33,300** 15,100	**28,800** 13,100	* **38,300** 17,400	**37,600** 17,050	* **46,700** 21,150	* **46,700** 21,150	* **62,900** 28,550	* **62,900** 28,550		
5′ 1.5 m	* **18,400** 8,350	**17,800** 8,100	* **35,800** 16,250	**27,800** 12,600	* **42,300** 19,200	**35,900** 16,250	* **53,300** 24,150	**49,200** 22,300	* **62,200** 28,250	* **62,200** 28,250		
0′ 0 m	* **19,700** 8,950	**18,000** 8,150	**37,200** 16,850	**26,900** 12,200	* **45,300** 20,500	**34,500** 15,650	* **57,700** 26,150	**47,100** 21,350	* **51,200** 23,200	* **51,200** 23,200		
-5′ -1.5 m	* **21,700** 9,850	**18,700** 8,500	**36,500** 16,550	**26,300** 11,950	* **46,900** 21,250	**33,600** 15,250	* **59,500** 26,950	**46,800** 20,800	* **56,600** 25,700	* **56,600** 25,700	* **31,300** 14,200	* **31,300** 14,200
-10′ -3.0 m	* **24,700** 11,200	**20,000** 9,100	**36,200** 16,450	**26,000** 11,800	* **46,400** 21,050	**33,200** 15,050	* **58,700** 26,650	**45,400** 20,550	* **69,400** 31,450	* **69,400** 31,450	* **43,700** 19,800	* **43,700** 19,800
-15′ -4.6 m	* **29,700** 13,500	**22,400** 10,200	* **35,900** 16,300	**26,100** 11,850	* **44,200** 20,050	**33,200** 15,050	* **55,300** 25,100	**45,500** 20,650	* **71,800** 32,550	* **71,400** 32,550	* **58,900** 26,700	* **58,900** 26,700
-20′ -6.1 m	* **29,600** 13,400	**26,900** 12,200			* **38,600** 17,500	**33,700** 15,300	* **48,500** 22,000	**46,200** 20,950	* **61,900** 28,100	* **61,900** 28,100	* **79,300** 35,950	* **79,300** 35,950

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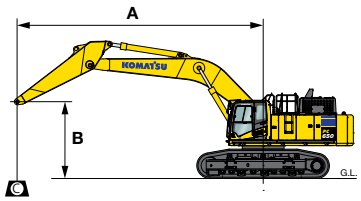

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
**: Rating at maximum reach

Conditions:
- 21' 6" (6,600 mm) one-piece boom
- 9' 5" (2,900 mm) arm length
- 29.5" (750 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position
- SE mass excavation arrangement

Specification: 21' 6" boom, 9' 5" arm, bucketless, **29.5" shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30' 9.1 m		25' 7.6 m		20' 6.1 m		15' 4.6 m		10' 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m	* **39,700** 18,040	* **39,700** 18,040										
25' 7.6 m	* **36,400** 16,550	**36,400** 16,550			* **40,300** 18,290	* **40,000** 18,160						
20' 6.1 m	* **35,300** 16,030	**32,700** 14,860			* **41,800** 18,970	**39,700** 18,030	* **46,300** 21,010	* **46,300** 21,010				
15' 4.6 m	* **35,400** 16,080	**29,500** 13,420			* **44,100** 20,030	* **38,800** 17,600	* **51,700** 23,480	* **51,700** 23,480	* **66,800** 30,310	* **66,800** 30,310		
10' 3.0 m	* **36,600** 16,620	**28,000** 12,720	**39,400** 17,880	**29,000** 13,170	* **47,000** 21,310	**37,600** 17,070	* **57,500** 26,120	* **51,700** 23,480				
5' 1.5 m	**37,700** 17,100	**27,700** 12,570	**38,900** 17,650	**28,500** 12,950	* **49,100** 22,280	**36,600** 16,610	* **61,600** 27,940	**49,900** 22,640				
0' 0 m	**39,000** 17,710	**28,500** 12,960			* **49,500** 22,470	**35,900** 16,300	* **62,400** 28,340	**48,800** 22,170	* **73,100** 33,190	* **73,100** 33,190		
-5' -1.5 m	* **40,000** 18,170	**31,000** 14,070			* **47,100** 21,380	**35,700** 16,220	* **59,700** 27,110	**48,500** 22,030	* **77,100** 34,970	* **75,600** 34,310		
-10' -3.0 m	* **38,700** 17,560	**36,200** 16,450			* **38,700** 17,580	**36,200** 16,460	* **52,500** 23,820	**48,900** 22,210	* **66,700** 30,280	* **66,700** 30,280	* **82,600** 37,490	* **82,600** 37,490
-15' -4.6 m	* **33,900** 15,410	* **33,900** 15,410					* **35,700** 16,190	**35,700** 16,190	* **48,800** 22,170	* **48,800** 22,170		

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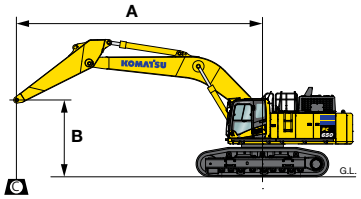

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
**: Rating at maximum reach

Conditions:
- 21' 6" (6,600 mm) one-piece boom
- 9' 5" (2,900 mm) arm length
- 35.5" (900 mm) triple grouser shoe
- Bucket: none
- Track gauge in extended position
- SE mass excavation arrangement

Specification: 21' 6" boom, 9' 5" arm, bucketless, **35.5" shoe (triple grouser)**

Unit: **lbs.** kg

A / B	MAX		30' 9.1 m		25' 7.6 m		20' 6.1 m		15' 4.6 m		10' 3.0 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m	* **39,700** 18,040	* **39,700** 18,040										
25' 7.6 m	* **36,400** 16,550	**36,400** 16,550			* **40,300** 18,290	* **40,000** 18,160						
20' 6.1 m	* **35,300** 16,030	**32,700** 14,860			* **41,800** 18,970	**39,700** 18,030	* **46,300** 21,010	* **46,300** 21,010				
15' 4.6 m	* **35,400** 16,080	**29,500** 13,420			* **44,100** 20,030	* **38,800** 17,600	* **51,700** 23,480	* **51,700** 23,480	* **66,800** 30,310	* **66,800** 30,310		
10' 3.0 m	* **36,600** 16,620	**28,000** 12,720	**39,400** 17,880	**29,000** 13,170	* **47,000** 21,310	**37,600** 17,070	* **57,500** 26,120	* **51,700** 23,480				
5' 1.5 m	**37,700** 17,100	**27,700** 12,570	**38,900** 17,650	**28,500** 12,950	* **49,100** 22,280	**36,600** 16,610	* **61,600** 27,940	**49,900** 22,640				
0' 0 m	**39,000** 17,710	**28,500** 12,960			* **49,500** 22,470	**35,900** 16,300	* **62,400** 28,340	**48,800** 22,170	* **73,100** 33,190	* **73,100** 33,190		
-5' -1.5 m	* **40,000** 18,170	**31,000** 14,070			* **47,100** 21,380	**35,700** 16,220	* **59,700** 27,110	**48,500** 22,030	* **77,100** 34,970	* **75,600** 34,310		
-10' -3.0 m	* **38,700** 17,560	**36,200** 16,450			* **38,700** 17,580	**36,200** 16,460	* **52,500** 23,820	**48,900** 22,210	* **66,700** 30,280	* **66,700** 30,280	* **82,600** 37,490	* **82,600** 37,490
-15' -4.6 m	* **33,900** 15,410	* **33,900** 15,410					* **35,700** 16,190	**35,700** 16,190	* **48,800** 22,170	* **48,800** 22,170		

*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.

Equipment

Engine and related components

Alternator and 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	●

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	●

Electrical system

Alternator (24 V/60 A)	●
Auto-decelerator	●
Batteries (2x12 V/170 Ah)	●
Battery disconnect switch	●
Circuit breaker	●
Electric horn	●
Horn interconnected with warning light	●
Power supply (12V)	●
Starter motor (24 V/11 kW)	●
Step light with timer	●
Working lights (two on cab, one on boom and one on RH)	●

Undercarriage

Hydraulic track adjusters (each side)	●
Shoes, 35.5" (900 mm) triple grouser	●
Track roller (nine on each side)	●
Variable track gauge	●

Guards and covers

Cab guards Bolt-on top guard, OPG level 2 (ISO 10262) Full front guard, OPG level 2 (ISO 10262)	○
Fan guard structure	●
Strengthened revolving frame underguard	●
Track frame undercover (center)	●
Track roller guard (full length)	○

Other

Counterweight (total mass), 26,358 lbs. (11,955 kg)	●
Counterweight removal device with 23,496 lbs. (10,657 kg) counterweight	○
Electric priming pump for fuel	●
Equipment management monitoring system	●
Grease gun, electric pump type	●
Hand rails and guard rails	●
Komtrax	●
One-touch engine oil drainage	●
Preventive Maintenance (PM) tune-up service connector	●
Rear reflector	●
Slip-resistant plates	●
Travel alarm	●
Wide walkway	●

Operator environment

A/C with defroster	●
AM/FM radio	●
Auxiliary input jack	●
Pull-up type front window	●
Engine shut down secondary switch	●
High-back suspension seat, heated	●
KomVision camera system	●
Large high resolution LCD monitor	●
Lock lever	●
Mirrors (LH, RH)	●
Operator protective top guard, OPG level 1 (ISO 12117-2)	●
Rain and sun visors	○
Seat belt, 3" (78 mm)	●
Washable cab floor mat	●

Work environment

Arms, 9' 6" (2,900 mm) SE mass arrangement arm assembly 11' 6" (3,500 mm) arm assembly 14' 1" (4,300 mm) arm assembly 17' 1" (5,200 mm) arm assembly	○
Boom, 21' 6" (6,600 mm) SE mass arrangement boom assembly 25' 1" (7,660 mm) boom assembly Boom cylinders only	○

Standard equipment	●
Optional equipment	○