

KOMATSU®

HYDRAULIC EXCAVATOR

PC210-10M0 PC210LC-10M0

HORSEPOWER

Gross: 123 kW 165 hp/2,000 rpm

Net: 123 kW 165 hp/2,000 rpm

OPERATING WEIGHT

PC210-10M0: 20,400 - 21,100 kg

PC210LC-10M0: 21,300 - 22,300 kg

BUCKET CAPACITY

0.80 - 1.20 m³



ORIGIN JAPAN / KLTD

Photos may include optional equipment.

PC210-10M0 PC210LC-10M0 WALK-AROUND

**Gives you the higher returns,
with peace of mind**



**NET
ENGINE
POWER
165 hp**

*Photo may include optional equipment.

»Higher productivity

- Larger bucket capacity.
- Higher stability.
- Powerful digging operation and travel performance.

»Lower fuel consumption

- Reduction of fuel consumption by 20% (Compared to the PC200-8M0).
- Advanced management system of variable engine speed matching control.
- Fan clutch system.
- Reduction of hydraulic piping loss.

»Lower maintenance cost

- Less maintenance time with new features.
- Detection system to prevent failure of main components.
- More visible maintenance information on the monitor screen.

»Higher durability

- Enhanced work equipment.
- Heavy-duty main frame and rigidity swing circle.

»Safety & comfort

- Large comfortable cab.
- ROPS Cab (ISO 12117-2).
- Rear view monitor system (Optional).

»Information & communication technology (ICT) & KOMTRAX

- Large multi-lingual high resolution liquid crystal display (LCD) monitor.
- Equipment management monitoring system.
- KOMTRAX.

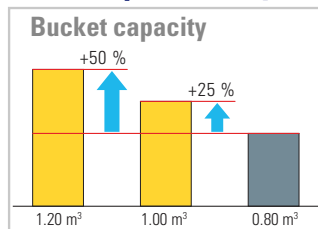


*Photo may include optional equipment.

HIGHER PRODUCTIVITY



»Increase productivity

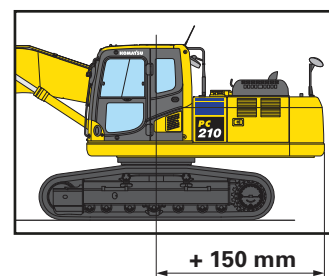


»Large capacity buckets

»Bucket selection up to 1.20 m³ are available. It can be matched for various applications.

»Excellent stability

»Stability is greatly improved by increasing weight of counterweight and extending the rear end radius compared with the PC200-8M0. Lifting capacity also increased by 5%. This makes a smooth operation feeling, even being equipped with large capacity bucket or heavy attachment, possible to obtain. PC210-10M0 will increase your productivity more than ever.



BUCKET CAPACITY

1.00 m³

(Allowed material density: 1.8 t/m³)

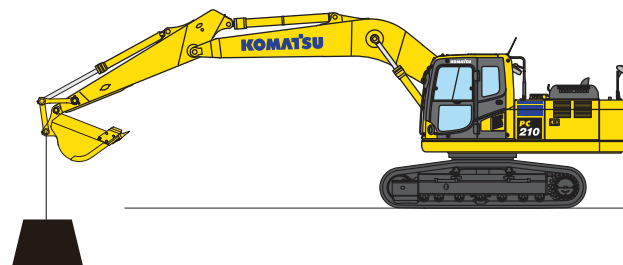
&

1.20 m³

(Allowed material density: 1.5 t/m³)

»1.00 m³ HD bucket & 1.20 m³ GP bucket

»By optimizing the shape of the side edge, it increases the penetration force. And Me bucket shape increases the production and has an effect on fuel consumption and wear reduction.

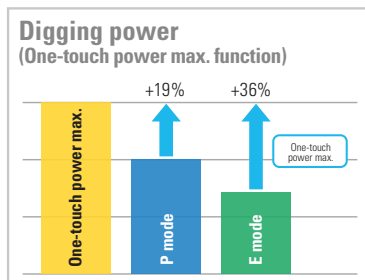


LIFTING CAPACITY
(COMPARED TO THE PC200-8M0) **5% up**

*PC210LC-10M0 has a bucket of 1.2 m³ (1.8 t/m³)

»Powerful digging operation

»Digging in P mode became powerful by improving hydraulic control. When more power is needed, the engine output is powered up by the one-touch power max. function (See next article), and you can dig stronger. Increasing engine power achieved high performance.



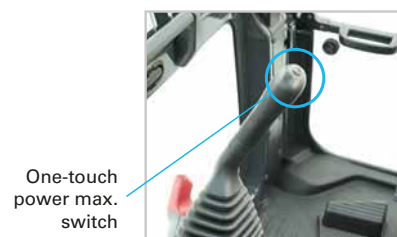
ENGINE POWER
(123 KW ← 110 KW)

(COMPARED TO THE PC200-8M0)

12% up

»One-touch power max. function

»Digging force increase for 8.5 seconds of operation when press the left knob switch which is called the one-touch power max. switch and keep pressing. You can normally use E mode to reduce fuel consumption, use this function only when digging power is necessary, temporarily obtain it more than P mode.



»Powerful traveling performance

»Increasing engine power makes the traveling in P mode powerful. When you are traveling on a high-load uphill or uneven terrain, PC210-10M0 gives you stable traveling speed and smooth traveling.

TRAVELING OUTPUT POWER
(COMPARED TO THE PC200-8M0)

15% up



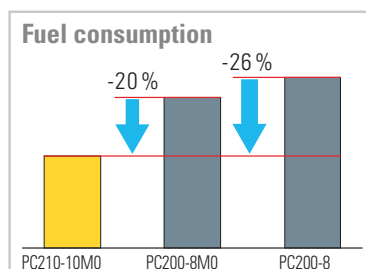
*Photo may include optional equipment.

LOWER FUEL CONSUMPTION

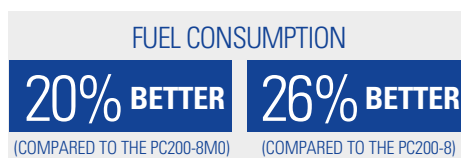
KOMATSU NEW ENGINE TECHNOLOGIES

»Low fuel consumption technology

»Engine management is enhanced. The variable speed matching of the engine, hydraulic pump and a viscous fan clutch guarantee efficiency and precision. Through the in-house development and production of main components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.



Based on typical work pattern collected via KOMTRAX.
Fuel consumption varies depending on job condition.



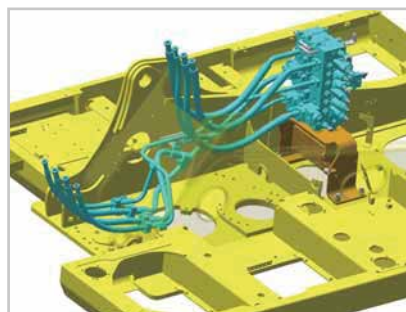
Komatsu SAA6D107E-1 engine EU Stage 3A equivalent (CG image)

»Improvement of engine combustion efficiency

»By optimizing the fuel injection control, the engine combustion efficiency is improved. This technology achieved both high power output and low fuel consumption.

»Reduction of hydraulic pressure loss

»The internal shape of the control valves, piping diameter and fitting shape have been thoroughly revised. With this improvement, hydraulic loss is reduced more than ever. It contributes to low fuel consumption.



»Reduced fan speed and fan drive loss

»A speed controlled viscous fan clutch and large diameter fan improves engine efficiency and reduces engine power requirements when operating in cooler temperatures.



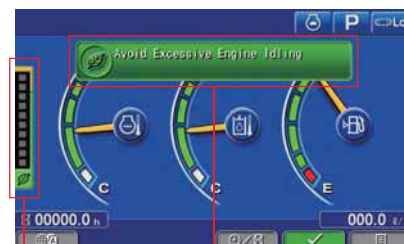
»Enhanced engine-pump matching control

»Large displacement hydraulic main pumps provide high flow output at low engine RPM. Furthermore, by building in optimum matching of the engine and pumps, it keeps high operability and workability. This technology achieved a large production and low fuel consumption.

»Assists energy-saving operations

»ECO gauge

»Equipped with the ECO gauge that can be recognized at a glance on the right of the multi-function color monitor for environment-friendly energy-saving operations. Allows focus on operation in the green range with reduced CO² emissions and efficient fuel consumption.



ECO gauge

Idling caution

»Idling caution

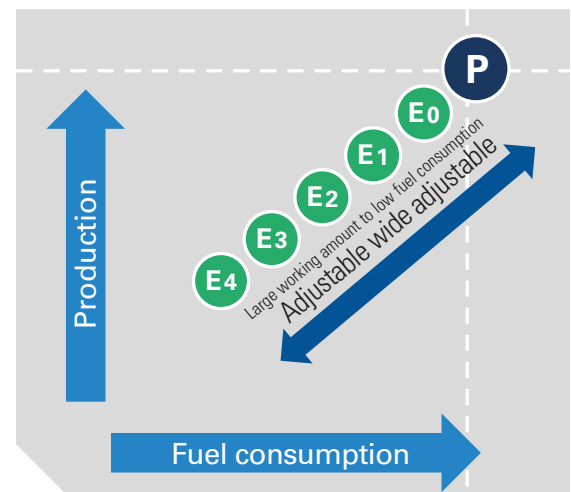
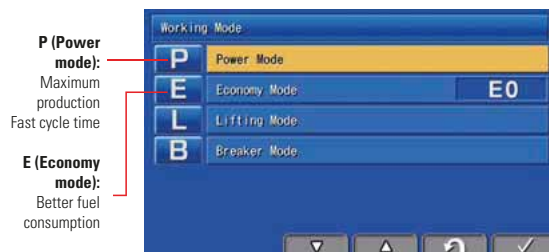
»To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.



»Fuel saving support functions

»Just select a working mode that suits your purpose

»In P mode, LARGE PRODUCTION is implemented. In E mode, LOW FUEL CONSUMPTION is implemented. E mode can be adjusted widely from E0 to E4 mode, and it adapts flexibly to customer's demands. Komatsu tuned each work mode precisely, ensuring high operability and workability. Just by selecting the work mode, it provides the best performance in demanding applications.



»Easy selectable E mode

»Compared with the conventional model, E0 to E4 can be easily selected on the monitor.



»In addition to the above modes there are also the following modes. Please select the appropriate mode according to the application.

Working mode	Application	Advantages
L	Lifting mode	Suitable attachment speed. Lifting capacity is increased 7% by raising hydraulic pressure.
B	Breaker mode	Optimum engine rpm, hydraulic flow.
ATT/P	Attachment power mode	Optimum engine rpm, hydraulic flow, 2 way. Power mode.
ATT/E	Attachment economy mode	Optimum engine rpm, hydraulic flow, 2 way. Economy mode.

LOWER MAINTENANCE COST

»Maintenance is also part of the operating cost

»Komatsu pursued reduction of maintenance time and cost

»Easy access to filters

»Engine oil and fuel system filters are integrated into one side to allow easy maintenance and service.



»Easy cleaning cooling unit

- »Cleanability of the cooling unit has been improved. It is effective in the field of forestry and agriculture.
- Easier cleaning of the core by making the automatic air conditioner (A/C) capacitor a hinge structure.
- Dustproof net does not require tools for dis-
orption.
- Making oil cooler a single piece from 2
pieces, no more space accumulating dust.



»Easy oil sampling (Optional)

- »Easy oil sampling ports are added. It is im-
portant to get sample that is agitated proper-
ly. Using this equipment will help accurate
analysis.



»Minimization broken of circle grease nipple

- »The grease nipple
of the circle is
embedded for pro-
tection. It is irre-
frangible structure
even if wood debris
or dusts are coiled around a swing circle.



»Extended replacement interval of hydraulic oil filter

- »The replacement interval of the hydraulic
oil filter element is extended by 2.5 ti-
mes. It contributes to reduction of main-
tenance cost.

2,500 h
↑
1,000 h



»Easy maintenance time manage- ment

- »The monitor informs replacement time of
oil and filters on the LCD when the
replacement
interval is
reached.

Maintenance	Interval	Remain
Fuel Pre Filter Change	500 h	400 h
Engine Oil Change	500 h	400 h
Engine Oil Filter Change	500 h	400 h
Hyd Oil Tank Breather Change	1000 h	800 h
Fuel Main Filter Change	1000 h	800 h

»Easy to know maintenance time when using breaker

- »In addition to the above functions, it
monitors the breaker usage time. Since
the replacement time will be changed
depending on the breaker usage time,
monitor can
notify the
optimum
replacement
time.

Maintenance	Interval	Remain
Additional Hyd Oil Filter Change	—	—
Hyd Oil Filter Change	—	—
Additional Fuel Filter Change	—	—
Hyd Tank Breather Change	—	—
Fuel Pre Filter Change	500 h	400 h

»Detect abnormality of hydraulic circuit

»Clogging sensor for hydraulic oil as standard

- »When the hydraulic oil filter is clogged,
the caution message pops up on the mo-
nitor to notify replacing the filter. It is
possible to suppress repair cost due to
breakdown.



Clogging hydraulic oil filter caution

»Clogging sensor for breaker line (Optional)

»Pre-cleaner for dusty condition

- »Even in dusty places, by installing pre-clea-
ner coupled with the large air cleaner, the
frequency of cleaning the air cleaner will
be reduced. Durability has also improved
by adopting new high efficiency pre-clea-
ner.



»Battery disconnect switch

- »A battery disconnect switch allows a tech-
nician to disconnect the power supply and
lock out before servicing or maintenance
the machine. Also, minimize discharge of
the battery during long-term non opera-
tion. System operating lamp tells the tim-
ing of disconnect the switch to prevent
controller failures.



»Fuel filtration

- »Prepared some filtration systems accord-
ing to operating environment and region.

»Other features

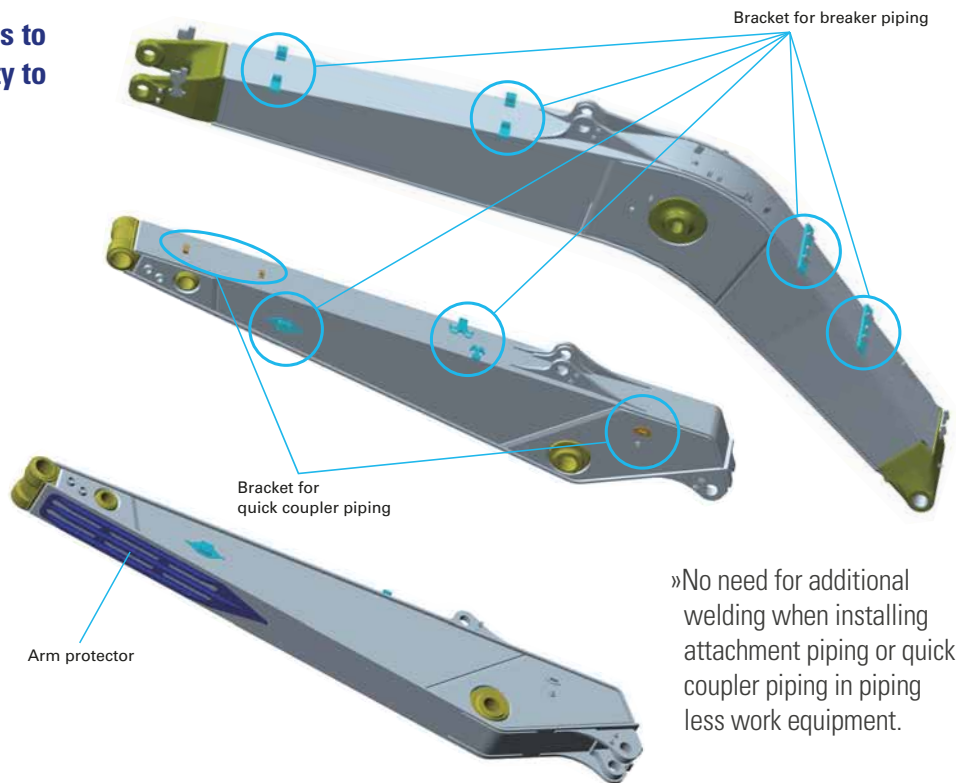
- »Easy cleaning drain port of fuel tank.
- »Improved drainability of hydraulic oil and
fuel.
- »Easy to check level of hydraulic oil.
- »Electric priming pump (Optional).
- »Blow-by pressure detection.
- »Fuel line contamination prevention.

HIGHER DURABILITY

»High strength work equipment & frames to work with large bucket. It has durability to withstand any application.

»Enhanced work equipment

»Komatsu thoroughly investigated and analyzed the customer's jobsite and built in working machines with sufficient durability in any application of operation. Designed by state-of-the-art strength analysis technology. Komatsu incorporated an original casting technology in the most loaded part. Durability is greatly improved by highly accurate controlled welding technology. It is a structure that endured the harsh test. Ultrasonic inspection ensures its quality.



»No need for additional welding when installing attachment piping or quick coupler piping in piping less work equipment.





»Reinforced revolving frame

»Main components are installed to revolving frame. Revolving frame is strengthened to withstand the various ways of severe tests. This tempered frame supports stable operation.



»Strengthened swing circle

»Swing circle with improved durability supports stable operation in any severe jobsite.

»Reliable Komatsu components

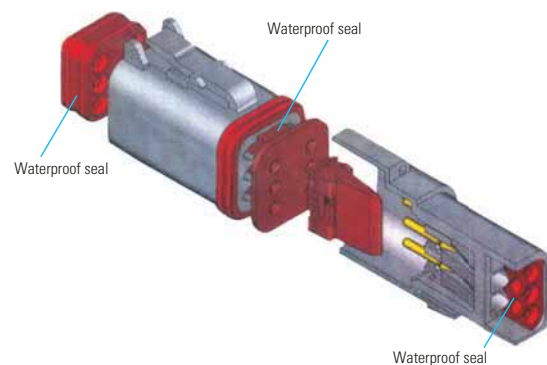
»All of the major components, such as engine, hydraulic pumps, hydraulic motors and control valves are exclusively designed and manufactured by Komatsu.

»Highly reliable electronic devices

»Exclusively designed electronic devices have passed severe testing.

• Controllers • Sensors • Connectors • Heat resistant wiring.

Sealed connector



»Steady frame structure

»The revolving frame, center frame and undercarriage are designed by using the most advanced three-dimensional CAD and Finite Element Method (FEM*) analysis technology.

*FEM analysis is a stress simulation method using a computer.

LARGE HIGH RESOLUTION LCD MONITOR



»Large multi-lingual high resolution LCD monitor

»A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 15 languages to globally support operators around the world.

Indicators

- | | |
|------------------------------------|---------------------------|
| 1 Auto-decelerator. | 6 Fuel gauge. |
| 2 Working mode. | 7 ECO gauge. |
| 3 Travel speed. | 8 Fuel consumption gauge. |
| 4 Engine water temperature gauge. | 9 Function switches menu. |
| 5 Hydraulic oil temperature gauge. | 10 Language select. |

Basic operation switches

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

»Supports efficient operation

»The main screen displays advices for promoting energy-saving operations as needed. The operator can use the ECO guidance menu to check the operation records, ECO guidance records, average fuel consumption logs, etc.



ECO guidance



ECO guidance menu



ECO guidance records



Operation records



Average fuel consumption logs

»Simplified selection of languages and new languages added

»It supports 15 languages including newly added languages. Language selection has become extremely easy.



»Equipment management monitoring system

•Monitor function

»Controller monitors engine oil level, coolant temperature, battery charge air clogging, etc. If the controller finds any abnormality, it is displayed on the LCD.

•Maintenance function

»The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

•Trouble data memory function

»Monitor stores abnormalities for effective troubleshooting.

SAFETY & COMFORT

»Safety should be the first priority at the jobsite

»Complied with ROPS/OPG level 1

»The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of OPG top guard level 1 (ISO 10262) for falling objects. Combined with the retractable seat belt, the ROPS cab protects the operator in case of tipping over and against falling objects.



»Gas-assisted damper cylinders for opening engine food easily and lock bar

»Gas-assisted damper cylinders helps opening the engine hood with light force. Lock bar is also equipped. This equipment will support during maintenance and repair.



»Thermal guard, fan guard

»Preventing direct contact to high temperature parts or the finger being caught by fan when checking around the engine, by installing thermal guards and fan guard.



»Rear view monitor system (Optional)

»A new rear view monitor system display has a rear view camera image that is continuously displayed together with the gauges and important vehicle information. This enables the operator to carry out work while easily checking the surrounding area. Even if it is on another screen, it changes to the rear camera image at the same time as the any operation lever is operated.



»Slip-resistant plates

»Highly durable slip-resistant plates to ensure long term superior traction.



»Security elements additional

»Cab guard:

- Front full height guard level 1 (ISO 10262) (Optional).
- OPG top guard level 2 (ISO 10262) (Optional).
- Lock lever.
- Pump/engine room partition.
- Large side view, rear and sidewise mirrors.
- Large handrail.



»Ensuring operator's comfort, it contributes to increased safety and productivity

»Suspension seat

»Suspension seat with weight adjustment function as standard equipment. This seat can reduce fatigue even in operation for a long time.

»Pressurized cab

»Pressurizing inside the cab to minimize the dust entering from outside. It can keep the cab clean.

»Low cab noise

»With overwhelming low noise, you can operate without stress. Ambient noise is also reduced, reducing the stress of surrounding workers.

»Automatic A/C

»It adjusts automatically to a comfortable temperature throughout the year, even in hot and cold areas.

»Low vibration with cab damper mounting

»The cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.

»Sun roller blind (Optional)

»Prepared a roller blind which blocks strong sunlight. Reduce sunlight at any time of day.



»AUX



The location may change

- 12 V power supply.
- Magazine box.
- Cool & hot box.
- Luggage box.



BUCKET

»Feature of Komatsu bucket

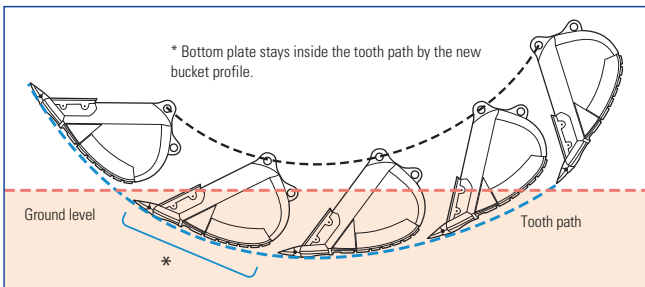
»The bucket affects most of the digging work and fuel consumption. Komatsu has line-up of various buckets so that you can choose a bucket suitable for your jobsite condition. You can also choose a bucket made by HENSLEY as one of the options. Please contact your Dealer.

Me bucket

»High productivity by low-resistant excavation

»The new ideal bucket profile produces lower resistance at inside & outside bucket and production will be greatly increased.



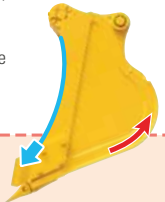


* Bottom plate stays inside the tooth path by the new bucket profile.

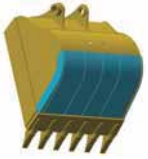
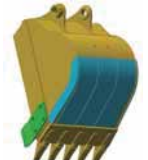
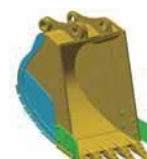
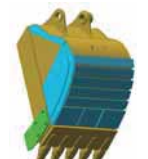
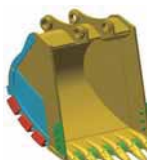
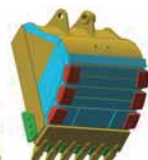
New shape bucket

»Easy to make bucket full and good penetration

»The angle to the deepest part of the bucket becomes smooth with respect to the direction of excavation and the penetration resistance decreases by new shape of side edge.



Category and features

Category	Load / Wear / Soil (Application)	Image
Light Duty LD	Load Machine power remains low during the majority of the work. No impact load. Wear Material is not abrasive. Soil Dirt, loam and clay.	  
General Purpose GP	Load Machine power is mostly medium, but occasionally high. Bucket movements are smooth with minor shock load. Bucket penetrates easily. Wear Material is lightly abrasive. Some sand may be medium abrasive. Soil Mostly loose sand, gravel and finely broken materials.	  
Heavy Duty HD	Load Machine power is high during majority of the work. Medium, but continuous shock load. Wear Material is abrasive. Light scratch marks can be seen at the bucket. Soil Limestone, shot rock, compact mix of sand, gravel and clay.	  
Extra Heavy Duty XHD	Load Machine power is high during most of the work, often at maximum. Dynamic shock loads are frequent and machine may shake. Wear Material is very abrasive. Large scratch marks are visible and, or deform metal. Works within heaps of rock with occasional un-shot rock and rock boulders. Soil Granite, basalt, quartz sand, compact and sticky clay.	  

Bucket line-up

Category	Shape	Capacity (m³)	Width (mm)		Weight* (kg)	Tooth quantity	Boom + arm (m)						Tooth type
			Without side shrouds, side cutters	With side shrouds, side cutters			Standard undercarriage (600 mm shoes)			Long undercarriage (700 mm shoes)			
							5.7+1.8	5.7+2.4	5.7+2.9	5.7+1.8	5.7+2.4	5.7+2.9	
GP	New shaped	0.80	1,080	1,185	680	5	⊙	⊙	⊙	⊙	⊙	⊙	HP
	Me	0.80	1,045	1,170	765	5	⊙	⊙	⊙	⊙	⊙	⊙	HP/KMAX
	Me	0.93	1,200	1,325	770	5	⊙	⊙	⊙	⊙	⊙	⊙	HP/KMAX
	New shaped	0.94	1,220	1,325	740	5	⊙	⊙	⊙	⊙	⊙	⊙	HP
	Me	1.05	1,330	1,500	935	6	⊙	⊙	✕	⊙	⊙	✕	HP/KMAX
	Me	1.20	1,200	1,310	910	5	⊙	□	□	⊙	○	○	HP
HD	Me	1.00	1,085	1,190	880	5	⊙	⊙	○	⊙	⊙	⊙	HP

* With side cutters

⊙: Density up to 2.1 t/m³

○: Density up to 1.8 t/m³

□: Density up to 1.5 t/m³

×: Not usable

SPECIAL SPECIFICATIONS

»Attachment piping specification

»Equips PC210/210LC-10M0 for breaker and crusher installation. Hydraulic flow rate can be regulated by setting Breaker mode on monitor panel during breaker operation.



»Super long front

»Super long front attachment boasts a huge digging reach. An excavator with this attachment highly improves working efficiency in various works such as river conservation, lake dredging, slope finishing and materials carrying where an extensively long reach is required.

»Reinforced work equipment

»Boom and arm are newly designed and enhanced longer life.

Main specification

	PC210LC-10M0	
Reach	15 m	18 m
Bucket capacity	0.45-0.55 m ³	0.29-0.36 m ³
Boom length	8,620 mm	10,300 mm
Arm length	8,350 mm	8,200 mm

APPLICABLE BUCKET CAPACITY

0.45-0.55 m³ & 0.29-0.36 m³

(15 m reach)

(18 m reach)

Expanded applicable bucket capacity by improving machine stability.



I ATTACHMENT

»Komatsu genuine attachment tool

»Komatsu-recommended attachment tools for hydraulic excavators.

A wide range of attachment tools are provided to suit customers' specific applications.

»Hydraulic breaker

»The hydraulic breaker is an attachment tool used for crushing rock beds and paved surfaces, demolishing concrete structures, etc. The large gas chamber, ideal gas pressure ratio, and long-stroke piston deliver a powerful impact force. Since the breaker unit does not require an accumulator, the number of parts has been reduced, resulting in lower maintenance costs.

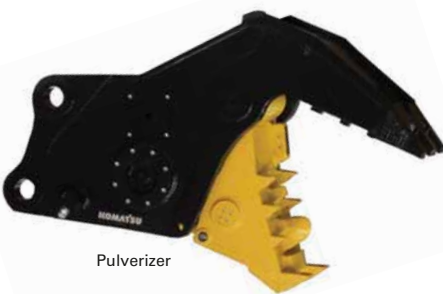


»Crusher

»This attachment tool is used for demolishing concrete structures. Since it does not have a striking mechanism and features low noise and low vibration, it is suitable for work in urban areas. The open-close cylinder is equipped with a speed-up valve for increasing work speed.



Primary crusher



Pulverizer



Rotating pulverizer



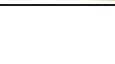
Applications of attachment tools

Application/ attachment tool	Civil engineering	Quarry	Demolition	Industrial waste disposal	Iron-making	Utility construction	Rental
Hydraulic breaker	○	○	○	○	○	○	○
Crusher (Primary crusher)			○				○
Crusher (Pulverizer)			○	○			○

»KMAX tooth system

»Komatsu is preparing the KMAX series in addition to traditional horizontal pin tooth system. Please select the tooth suitable for the handling material and construction method of the job site to be used.

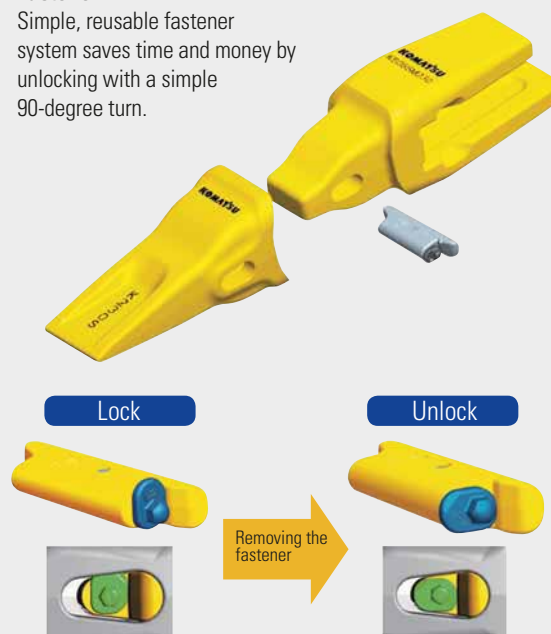
KMAX tooth line-up

Feature	Style	KMAX	KMAX2
F Flare: Loose material for clean bottom and greater fill		☐	☐
SYL Standard: General applications		☐	☐
SD Chisel: General purpose tooth Designed for penetration		☐	☐
RC Rock chisel: Designed for penetration and long wear life		☐	☐
T Tiger: Designed for good penetration with ribs for strength		☐	☐
TV Tiger: Offers best penetration in tight material		☐	☐
UT Twin tiger: Offers longer life penetration for corners		☐	☐
WT Twin tiger: Designed for penetration for corners		☐	☐
S Standard		☐	☐
SL Long life		☐	☐
HS Heavy standard		☐	☐

KMAX series pin lock system

Fastener

Simple, reusable fastener system saves time and money by unlocking with a simple 90-degree turn.



When removing the fastener, use the correct size socket to rotate the pin-locking shaft 90-degree counter-clockwise.

»HENSLEY brand bucket

»Diverse bucket line-up by application, featuring KMAX system. Applicable bucket depends on the combination of work equipment, handling materials and job condition. For more details, please contact your DB.



Category and recommended applications

Category	Recommended applications	Image
Trenching and loading TL	Dirt, loam, sand, gravel, loose clay, abrasive soils with limited rock mixture.	
Heavy duty plate lip bucket with wear plate HP	Abrasive soils, compact or dense clay, loose rock and gravel.	
Heavy duty plate lip bucket with wear plate & wear strips HPS	Abrasive soils, compact or dense clay, loose rock and gravel.	
PExtreme duty plate lip bucket with special features HPX	Shot rock, stratified materials, quarry or tough, highly abrasive applications.	

Bucket line-up

Category	Capacity (m³)	Width (mm)	Weight (kg)	Tooth quantity
TL	0.67	762	689	4
	0.85	914	780	5
	1.03	1,067	857	5
	1.20	1,219	949	6
	1.38	1,372	1,026	6
HP	0.50	610	652	3
	0.67	762	763	4
	0.85	914	868	5
	1.03	1,067	950	5
	1.20	1,219	1,066	6
HPS	1.38	1,372	1,139	6
	0.50	610	724	3
	0.67	762	840	4
	0.85	914	962	5
	1.03	1,067	1,061	5
HPX	1.20	1,219	1,193	6
	1.38	1,372	1,283	6
	0.50	610	824	3
	0.67	762	939	4
	0.85	914	1,061	5
	1.03	1,067	1,161	5
	1.20	1,219	1,293	6
	1.38	1,372	1,383	6

KOMATSU TOTAL SUPPORT



»Komatsu total support

»Komatsu Distributer is ready to provide variety of support before and after procuring machine to keep customers machine available and minimize operation cost.

»Fleet recommendation

»Komatsu Distributer can study customer jobsite and provide the most optimum fleet recommendation with detailed information to meet all of your application needs, when you are considering to buy new machines or to replace the existing ones from Komatsu.

»Product support

»Komatsu Distributer secure the quality of machine by offering quality repair and maintenance services to the customer using Komatsu developed programs.

- Preventive Maintenance (PM) Clinic.
- Komatsu Oil and Wear Analysis (KOWA).
- Undercarriage inspection service, etc.

»Genuine parts and genuine oil

»Komatsu Distributer will promptly and smoothly offer genuine parts and genuine oil guaranteed quality to various jobsites. Genuine oil is developed by Komatsu, so that it is best matched for our Komatsu engines and hydraulic components. It maximizes engine and hydraulic components performance and prolong life.

»Service contract

»Komatsu Distributer offers several service package of repair and maintenance for a contracted period with optimum cost. Customer can be "worry-free" by trusting Komatsu Distributer skilled service.

»Extended warranty

»Extended warranty with several options available. Komatsu guarantee skilled repair with genuine parts and protection from unexpected expenses.

»Operator training

»Komatsu Distributer can provide excellent operator training which enables them to operate machine safely & efficiently, and to maintain machine properly.

SPECIFICATION



ENGINE

MODEL	Komatsu SAA6D107E-1.
TYPE	Water-cooled, 4-cycle, direct injection.
ASPIRATION	Turbocharged, aftercooled.
NUMBER OF CYLINDERS	6.
BORE	107 mm.
STROKE	124 mm.
PISTON DISPLACEMENT	6.69 L.
HORSEPOWER:	
SAE J1995	Gross 123 kW 165 hp.
ISO 9249 / SAE J1349	Net 123 kW 165 hp.
RATED RPM	2,000 rpm.
FAN DRIVE METHOD FOR RADIATOR	Mechanical with viscous fan clutch.
COOLING	
GOVERNOR	All-speed control, electronic.

Net horsepower at the maximum speed of radiator cooling fan is 117.2 kW 157.2 hp.
EU Stage 3A emission equivalent.



HYDRAULICS

TYPE	HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves.
NUMBER OF SELECTABLE WORKING MODES	6.
MAIN PUMP:	
TYPE	Variable displacement piston type.
PUMPS FOR	Boom, arm, bucket, swing, and travel circuits.
MAXIMUM FLOW	475 L/min.
SUPPLY FOR CONTROL CIRCUIT	Self-reducing valve.
HYDRAULIC MOTORS:	
TRAVEL	2 x axial piston motor with parking brake.
SWING	1 x axial piston motor with swing holding brake.
RELIEF VALVE SETTING:	
IMPLEMENT CIRCUITS	37.3 MPa 380 kg/cm ² .
TRAVEL CIRCUIT	37.3 MPa 380 kg/cm ² .
SWING CIRCUIT	28.9 MPa 295 kg/cm ² .
PILOT CIRCUIT	3.2 MPa 33 kg/cm ² .
HYDRAULIC CYLINDERS:	
(NUMBER OF CYLINDERS - BORE X STROKE X ROD DIAMETER)	
BOOM	2-120 mm x 1,334 mm x 85 mm.
ARM	1-135 mm x 1,490 mm x 95 mm.
BUCKET FOR 2.93 M ARM	1-115 mm x 1,120 mm x 80 mm.
FOR 2.41 M ARM	1-115 mm x 1,120 mm x 80 mm.
FOR 1.84 M ARM	1-125 mm x 1,110 mm x 85 mm.



DRIVES AND BRAKES

STEERING CONTROL	Two levers with pedals.
DRIVE METHOD	Hydrostatic.
MAXIMUM DRAWBAR PULL	178 kN 18,200 kg.
GRADEABILITY	70%, 35°.
MAXIMUM TRAVEL SPEED: HIGH	5.5 km/h.
(AUTO-SHIFT) MID	4.1 km/h.
(AUTO-SHIFT) LOW	3.0 km/h.
SERVICE BRAKE	Hydraulic lock.
PARKING BRAKE	Mechanical disc brake.



SWING SYSTEM

DRIVE METHOD	Hydrostatic.
SWING REDUCTION	Planetary gear.
SWING CIRCLE LUBRICATION	Grease-bathed.
SERVICE BRAKE	Hydraulic lock.
HOLDING BRAKE/SWING LOCK	Mechanical disc brake.
SWING SPEED	12.4 rpm.



UNDERCARRIAGE

CENTER FRAME	X-frame.
TRACK FRAME	Box-section.
SEAL OF TRACK	Sealed track.
TRACK ADJUSTER	Hydraulic.
NUMBER OF SHOES (EACH SIDE):	
PC210-10M0	45.
PC210LC-10M0	49.
NUMBER OF CARRIER ROLLERS	2 each side.
NUMBER OF TRACK ROLLERS (EACH SIDE):	
PC210-10M0	7.
PC210LC-10M0	9.



COOLANT AND LUBRICANT CAPACITY (REFILLING)

FUEL TANK	400 L.
COOLANT	21.8 L.
ENGINE	23.1 L.
FINAL DRIVE (EACH SIDE)	3.3 L.
SWING DRIVE	5.3 L.
HYDRAULIC TANK	135 L.



OPERATING WEIGHT (APPROXIMATE)

Operating weight including 5,700 mm one-piece boom, 2,925 mm arm, SAE J 296 heaped 1.00 m³ HD backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

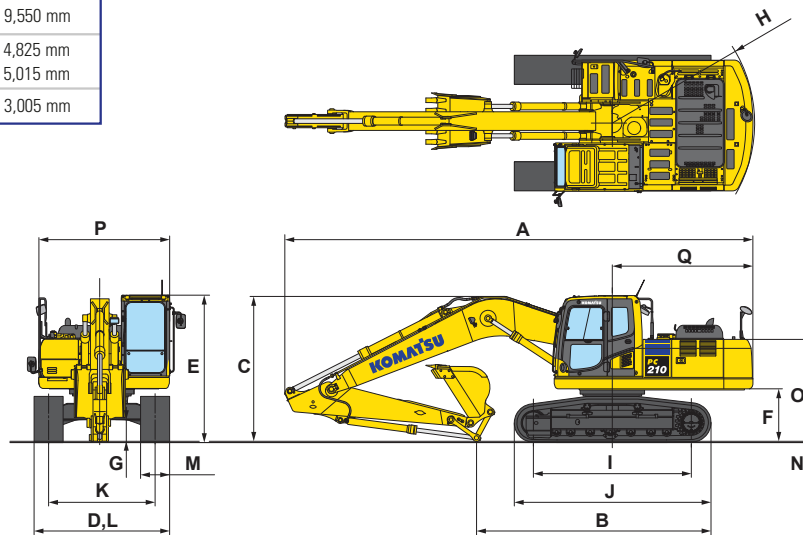
Shoes	PC210-10M0		PC210LC-10M0	
	Operating weight	Ground pressure	Operating weight	Ground pressure
500 mm	20,400 kg	55.8 kPa 0.57 kg/cm ²	—	—
600 mm	20,500 kg	46.8 kPa 0.48 kg/cm ²	21,300 kg	44.0 kPa 0.45 kg/cm ²
700 mm	20,900 kg	40.8 kPa 0.42 kg/cm ²	21,700 kg	38.4 kPa 0.39 kg/cm ²
800 mm	21,100 kg	36.1 kPa 0.37 kg/cm ²	22,000 kg	34.0 kPa 0.35 kg/cm ²
900 mm	—	—	22,300 kg	30.7 kPa 0.31 kg/cm ²



DIMENSIONS

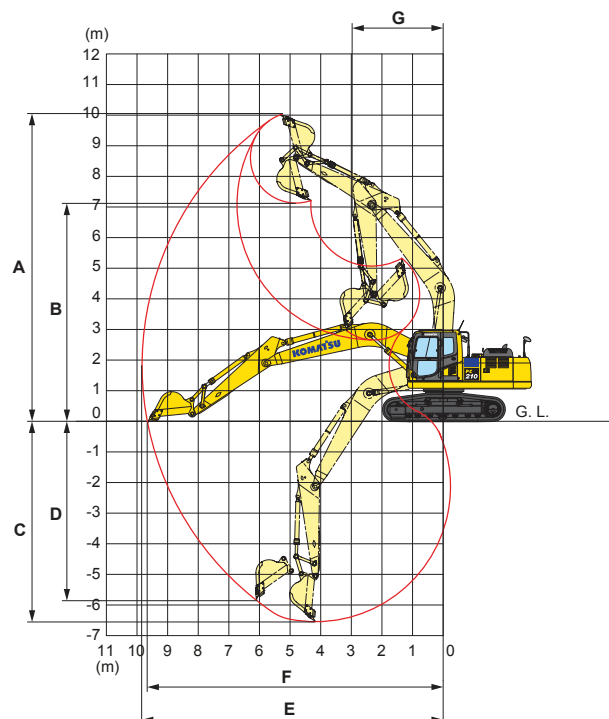
Arm length		1,840 mm	2,410 mm	2,925 mm
A	Overall length	9,630 mm	9,640 mm	9,550 mm
B	Length on ground (Transport): PC210-10M0 PC210LC-10M0	6,255 mm 6,455 mm	5,690 mm 5,880 mm	4,825 mm 5,015 mm
C	Overall height (To top of boom)	2,975 mm	3,215 mm	3,005 mm

Model		PC210-10M0	PC210LC-10M0
D	Overall width	2,800 mm	3,080 mm
E	Overall height (To top of cab)	3,045 mm	3,045 mm
F	Ground clearance, counterweight	1,085 mm	1,085 mm
G	Ground clearance (Minimum)	440 mm	440 mm
H	Tail swing radius	2,900 mm	2,900 mm
I	Track length on ground	3,275 mm	3,655 mm
J	Track length	4,070 mm	4,450 mm
K	Track gauge	2,200 mm	2,380 mm
L	Width of crawler	2,800 mm	3,080 mm
M	Shoe width	600 mm	700 mm
N	Grouser height	26 mm	26 mm
O	Machine cab height	2,095 mm	2,095 mm
P	Machine cab width	2,710 mm	2,710 mm
Q	Distance, swing center to rear end	2,860 mm	2,860 mm



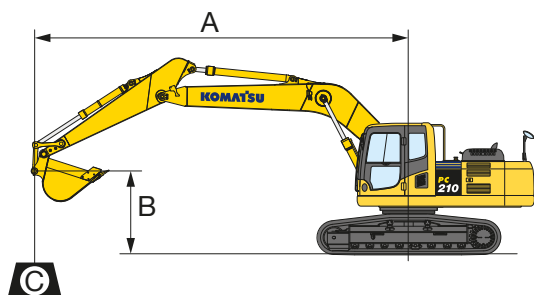
WORKING RANGE

Arm length		1,840 mm	2,410 mm	2,925 mm
A	Max. digging height	9,665 mm	9,810 mm	10,065 mm
B	Max. dumping height	6,760 mm	6,885 mm	7,160 mm
C	Max. digging depth	5,230 mm	6,000 mm	6,515 mm
D	Max. vertical wall digging depth	4,530 mm	5,410 mm	5,810 mm
E	Max. digging reach	8,870 mm	9,390 mm	9,860 mm
F	Max. digging reach at ground level	8,670 mm	9,200 mm	9,680 mm
G	Min. swing radius	2,820 mm	3,090 mm	2,990 mm
SAE J 1179 rating	Bucket digging force at power max.	157 kN 16,000 kg	138 kN 14,100 kg	138 kN 14,100 kg
	Arm crowd force at power max.	139 kN 14,200 kg	124 kN 12,600 kg	101 kN 10,300 kg
ISO 6015 rating	Bucket digging force at power max.	177 kN 18,000 kg	149 kN 15,200 kg	149 kN 15,200 kg
	Arm crowd force at power max.	145 kN 14,800 kg	127 kN 13,000 kg	108 kN 11,000 kg





LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center.
B: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
⊗: Rating at maximum reach.

Conditions:

- 5,700 mm one-piece boom
- Shoe width: - PC210-10M0 600 mm triple grouser.

PC210-10M0 Arm: 2,925 mm Without bucket Shoe: 600 mm triple grouser														
B	A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.15 m		*3,850 kg	*3,850 kg			*4,450 kg	*4,450 kg						
6.0 m	7.26 m		*3,600 kg	3,250 kg			*5,150 kg	4,550 kg						
4.5 m	7.93 m		*3,550 kg	2,750 kg	4,500 kg	3,050 kg	*5,750 kg	4,400 kg	*6,500 kg	*6,500 kg				
3.0 m	8.29 m		*3,700 kg	2,500 kg	4,350 kg	2,950 kg	6,200 kg	4,150 kg	*8,450 kg	6,300 kg				
1.5 m	8.36 m		3,600 kg	2,400 kg	4,250 kg	2,800 kg	5,900 kg	3,900 kg	9,200 kg	5,800 kg				
0 m	8.15 m		3,700 kg	2,400 kg	4,150 kg	2,700 kg	5,750 kg	3,700 kg	8,900 kg	5,550 kg	*7,000 kg	*7,000 kg		
-1.5 m	7.65 m		4,000 kg	2,650 kg	4,100 kg	2,700 kg	5,650 kg	3,650 kg	8,800 kg	5,450 kg	*11,450 kg	10,350 kg	*7,250 kg	*7,250 kg
-3.0 m	6.78 m		4,800 kg	3,150 kg			5,700 kg	3,650 kg	8,850 kg	5,500 kg	*15,200 kg	10,550 kg	*11,900 kg	*11,900 kg
-4.5 m	5.37 m		6,950 kg	4,500 kg					*8,700 kg	5,750 kg	*12,200 kg	10,950 kg		

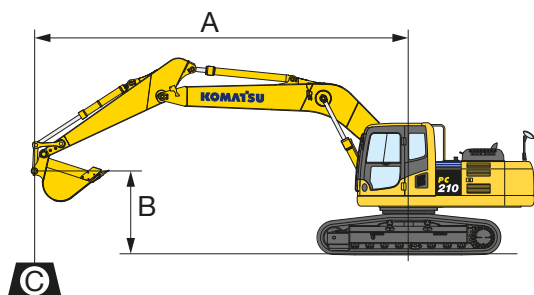
PC210-10M0														
Arm: 2,410 mm				Without bucket				Shoe: 600 mm triple grouser						
B	A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	5.49 m		*5,900 kg	5,250 kg										
6.0 m	6.71 m		5,500 kg	3,750 kg			*5,800 kg	4,550 kg	*6,050 kg	*6,050 kg				
4.5 m	7.44 m		4,600 kg	3,100 kg			*6,300 kg	4,400 kg	*7,400 kg	6,800 kg	*10,200 kg	*10,200 kg		
3.0 m	7.81 m		4,150 kg	2,800 kg	4,450 kg	3,000 kg	6,250 kg	4,200 kg	*9,300 kg	6,300 kg				
1.5 m	7.88 m		4,000 kg	2,700 kg	4,350 kg	2,900 kg	6,000 kg	3,950 kg	9,250 kg	5,850 kg				
0 m	7.67 m		4,150 kg	2,750 kg	4,250 kg	2,850 kg	5,850 kg	3,850 kg	9,050 kg	5,650 kg				
-1.5 m	7.13 m		4,550 kg	3,050 kg			5,800 kg	3,800 kg	9,000 kg	5,650 kg	*12,200 kg	10,750 kg		
-3.0 m	6.19 m		5,650 kg	3,700 kg			5,900 kg	3,850 kg	9,100 kg	5,750 kg	*14,300 kg	10,950 kg		

PC210-10M0 Arm: 1,840 mm Without bucket Zapata: 600 mm triple grouser													
B \ A	MAX	 MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	4.71 m	*6,850 kg	6,550 kg					*6,750 kg	*6,750 kg				
6.0 m	6.09 m	*6,300 kg	4,300 kg			6,500 kg	4,400 kg	*6,850 kg	*6,850 kg				
4.5 m	6.88 m	5,100 kg	3,450 kg			6,350 kg	4,300 kg	*8,200 kg	6,650 kg				
3.0 m	7.29 m	4,600 kg	3,100 kg			6,150 kg	4,100 kg	9,550 kg	6,100 kg				
1.5 m	7.36 m	4,400 kg	2,950 kg			5,950 kg	3,900 kg	9,150 kg	5,750 kg				
0 m	7.13 m	4,600 kg	3,050 kg			5,850 kg	3,800 kg	9,000 kg	5,650 kg				
-1.5 m	6.55 m	5,200 kg	3,450 kg			5,850 kg	3,850 kg	9,050 kg	5,700 kg	*12,900 kg	11,000 kg		
-3.0 m	5.51 m	6,800 kg	4,450 kg					9,250 kg	5,850 kg	*12,650 kg	11,150 kg		

* 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: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
⊗: Rating at maximum reach.

Conditions:

- 5,700 mm one-piece boom.
- Shoe width: - PC210-10M0 700 mm triple grouser.

PC210-10M0		Arm: 2,925 mm		Without bucket		Shoe: 700 mm triple grouser							
B	A MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.15 m	*3,850 kg	*3,850 kg			*4,450 kg	*4,450 kg						
6.0 m	7.26 m	*3,600 kg	3,300 kg			*5,150 kg	4,650 kg						
4.5 m	7.93 m	*3,550 kg	2,800 kg	4,550 kg	3,100 kg	*5,750 kg	4,450 kg	*6,500 kg	*6,500 kg				
3.0 m	8.29 m	*3,700 kg	2,550 kg	4,450 kg	3,000 kg	6,300 kg	4,200 kg	*8,450 kg	6,450 kg				
1.5 m	8.36 m	3,650 kg	2,450 kg	4,300 kg	2,850 kg	6,050 kg	3,950 kg	9,400 kg	5,900 kg				
0 m	8.15 m	3,750 kg	2,450 kg	4,200 kg	2,750 kg	5,850 kg	3,800 kg	9,050 kg	5,650 kg	*7,000 kg	*7,000 kg		
-1.5 m	7.65 m	4,100 kg	2,700 kg	4,200 kg	2,750 kg	5,750 kg	3,700 kg	8,950 kg	5,550 kg	*11,450 kg	10,550 kg	*7,250 kg	*7,250 kg
-3.0 m	6.78 m	4,900 kg	3,200 kg			5,800 kg	3,750 kg	9,050 kg	5,600 kg	*15,200 kg	10,750 kg	*11,900 kg	*11,900 kg
-4.5 m	5.37 m	*7,000 kg	4,550 kg					*8,700 kg	5,850 kg	*12,200 kg	11,100 kg		

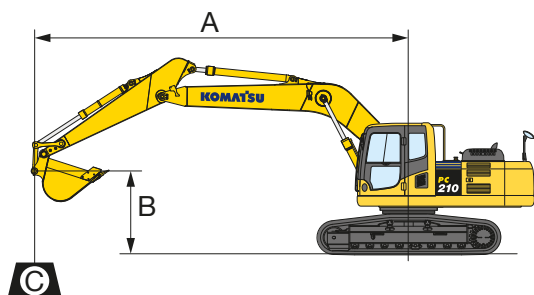
PC210-10M0		Arm: 2,410 mm		Without bucket		Shoe: 700 mm triple grouser							
B	A MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	5.49 m	*5,900 kg	5,350 kg										
6.0 m	6.71 m	*5,500 kg	3,800 kg			*5,800 kg	4,600 kg	*6,050 kg	*6,050 kg				
4.5 m	7.44 m	4,650 kg	3,150 kg			*6,300 kg	4,450 kg	*7,400 kg	6,900 kg	*10,200 kg	*10,200 kg		
3.0 m	7.81 m	4,250 kg	2,850 kg	4,500 kg	3,050 kg	6,350 kg	4,250 kg	*9,300 kg	6,400 kg				
1.5 m	7.88 m	4,100 kg	2,750 kg	4,400 kg	2,950 kg	6,100 kg	4,050 kg	9,400 kg	5,950 kg				
0 m	7.67 m	4,200 kg	2,800 kg	4,350 kg	2,900 kg	5,950 kg	3,900 kg	9,200 kg	5,750 kg				
-1.5 m	7.13 m	4,650 kg	3,100 kg			5,900 kg	3,850 kg	9,150 kg	5,750 kg	*12,200 kg	10,950 kg		
-3.0 m	6.19 m	5,750 kg	3,800 kg			6,000 kg	3,950 kg	9,250 kg	5,850 kg	*14,300 kg	11,150 kg		

PC210-10M0		Arm: 1,840 mm		Without bucket		Shoe: 700 mm triple grouser							
B	A MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	4.71 m	*6,850 kg	6,550 kg					*6,750 kg	*6,750 kg				
6.0 m	6.09 m	*6,300 kg	4,350 kg			*6,550 kg	4,500 kg	*6,850 kg	*6,850 kg				
4.5 m	6.88 m	5,200 kg	3,500 kg			6,450 kg	4,400 kg	*8,200 kg	6,750 kg				
3.0 m	7.29 m	4,650 kg	3,150 kg			6,250 kg	4,150 kg	9,700 kg	6,200 kg				
1.5 m	7.36 m	4,500 kg	3,000 kg			6,050 kg	4,000 kg	9,300 kg	5,850 kg				
0 m	7.13 m	4,650 kg	3,100 kg			5,950 kg	3,900 kg	9,200 kg	5,750 kg				
-1.5 m	6.55 m	5,300 kg	3,500 kg			5,950 kg	3,900 kg	9,200 kg	5,800 kg	*12,900 kg	11,150 kg		
-3.0 m	5.51 m	6,900 kg	4,550 kg					9,400 kg	5,950 kg	*12,650 kg	11,350 kg		

* 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: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
⊗: Rating at maximum reach.

Conditions:

- 5,700 mm one-piece boom.
- Shoe width: - PC210-10M0 800 mm triple grouser.

PC210-10M0 Arm: 2,925 mm Without bucket Shoe: 800 mm triple grouser													
B \ A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.15 m	*3,850 kg	*3,850 kg			*4,450 kg	*4,450 kg						
6.0 m	7.26 m	*3,600 kg	3,350 kg			*5,150 kg	4,650 kg						
4.5 m	7.93 m	*3,550 kg	2,850 kg	4,600 kg	3,150 kg	*5,750 kg	4,500 kg	*6,500 kg	*6,500 kg				
3.0 m	8.29 m	*3,700 kg	2,550 kg	4,500 kg	3,000 kg	6,350 kg	4,250 kg	*8,450 kg	6,500 kg				
1.5 m	8.36 m	3,700 kg	2,450 kg	4,350 kg	2,900 kg	6,100 kg	4,000 kg	9,500 kg	6,000 kg				
0 m	8.15 m	3,800 kg	2,500 kg	4,250 kg	2,800 kg	5,900 kg	3,850 kg	9,150 kg	5,700 kg	*7,000 kg	*7,000 kg		
-1.5 m	7.65 m	4,150 kg	2,700 kg	4,250 kg	2,800 kg	5,800 kg	3,750 kg	9,050 kg	5,600 kg	*11,450 kg	10,650 kg	*7,250 kg	*7,250 kg
-3.0 m	6.78 m	4,950 kg	3,250 kg			5,850 kg	3,800 kg	9,150 kg	5,650 kg	*15,200 kg	10,850 kg	*11,900 kg	*11,900 kg
-4.5 m	5.37 m	*7,000 kg	4,600 kg					*8,700 kg	5,900 kg	*12,200 kg	11,250 kg		

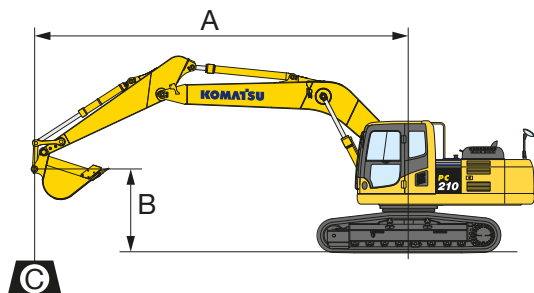
PC210-10M0 Arm: 2,410 mm Without bucket Shoe: 800 mm triple grouser													
B \ A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	5.49 m	*5,900 kg	5,400 kg										
6.0 m	6.71 m	*5,500 kg	3,850 kg			*5,800 kg	4,650 kg	*6,050 kg	*6,050 kg				
4.5 m	7.44 m	4,700 kg	3,200 kg			*6,300 kg	4,500 kg	*7,400 kg	7,000 kg	*10,200 kg	*10,200 kg		
3.0 m	7.81 m	4,300 kg	2,900 kg	4,550 kg	3,100 kg	6,400 kg	4,300 kg	*9,300 kg	6,450 kg				
1.5 m	7.88 m	4,150 kg	2,800 kg	4,450 kg	3,000 kg	6,150 kg	4,100 kg	9,550 kg	6,050 kg				
0 m	7.67 m	4,250 kg	2,850 kg	4,400 kg	2,900 kg	6,000 kg	3,950 kg	9,300 kg	5,850 kg				
-1.5 m	7.13 m	4,700 kg	3,150 kg			6,000 kg	3,900 kg	9,250 kg	5,800 kg	*12,200 kg	11,050 kg		
-3.0 m	6.19 m	5,800 kg	3,850 kg			6,050 kg	4,000 kg	9,400 kg	5,900 kg	*14,300 kg	11,250 kg		

PC210-10M0														
Arm: 1,840 mm				Without bucket				Shoe: 800 mm triple grouser						
B	A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	4.71 m		*6,850 kg	6,750 kg					*6,750 kg	*6,750 kg				
6.0 m	6.09 m		*6,300 kg	4,400 kg			*6,550 kg	4,550 kg	*6,850 kg	*6,850 kg				
4.5 m	6.88 m		5,250 kg	3,550 kg			6,550 kg	4,400 kg	*8,200 kg	6,800 kg				
3.0 m	7.29 m		4,700 kg	3,150 kg			6,300 kg	4,200 kg	9,800 kg	6,250 kg				
1.5 m	7.36 m		4,550 kg	3,050 kg			6,100 kg	4,050 kg	9,400 kg	5,950 kg				
0 m	7.13 m		4,750 kg	3,150 kg			6,000 kg	3,950 kg	9,300 kg	5,850 kg				
-1.5 m	6.55 m		5,350 kg	3,550 kg			6,000 kg	3,950 kg	9,300 kg	5,850 kg	*12,900 kg	11,300 kg		
-3.0 m	5.51 m		7,000 kg	4,600 kg					9,500 kg	6,000 kg	*12,650 kg	11,450 kg		

* 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: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
⊗: Rating at maximum reach.

Conditions:

- 5,700 mm one-piece boom.
- Shoe width: - PC210LC-10M0 600 mm triple grouser.

PC210LC-10M0 Arm: 2,925 mm Without bucket Shoe: 600 mm triple grouser													
B	A	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.15 m	*3,850 kg	*3,850 kg			*4,450 kg	*4,450 kg						
6.0 m	7.26 m	*3,600 kg	*3,600 kg			*5,150 kg	5,100 kg						
4.5 m	7.93 m	*3,550 kg	3,100 kg	5,300 kg	3,400 kg	*5,750 kg	4,900 kg	*6,500 kg	*6,500 kg				
3.0 m	8.29 m	*3,700 kg	2,800 kg	5,200 kg	3,300 kg	*6,600 kg	4,650 kg	*8,450 kg	7,150 kg				
1.5 m	8.36 m	*3,950 kg	2,700 kg	5,050 kg	3,200 kg	7,100 kg	4,400 kg	*10,250 kg	6,600 kg				
0 m	8.15 m	4,400 kg	2,750 kg	4,950 kg	3,100 kg	6,900 kg	4,200 kg	10,950 kg	6,300 kg	*7,000 kg	*7,000 kg		
-1.5 m	7.65 m	4,800 kg	3,000 kg	4,950 kg	3,050 kg	6,800 kg	4,150 kg	10,850 kg	6,250 kg	*11,450 kg	*11,450 kg	*7,250 kg	*7,250 kg
-3.0 m	6.78 m	5,750 kg	3,550 kg			6,850 kg	4,200 kg	*10,700 kg	6,300 kg	*15,200 kg	12,300 kg	*11,900 kg	*11,900 kg
-4.5 m	5.37 m	*7,000 kg	5,100 kg					*8,700 kg	6,550 kg	*12,200 kg	*12,200 kg		

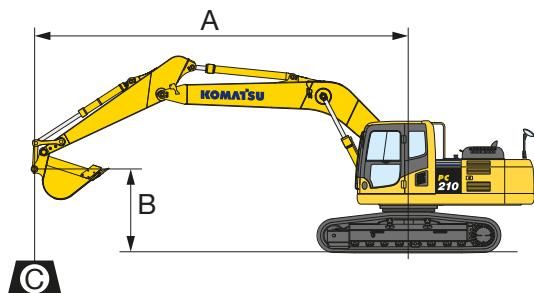
PC210LC-10M0 Arm: 2,410 mm Without bucket Shoe: 600 mm triple grouser													
B	A	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	5.49 m	*5,900 kg	5,850 kg										
6.0 m	6.71 m	*5,500 kg	4,200 kg			*5,800 kg	5,050 kg	*6,050 kg	*6,050 kg				
4.5 m	7.44 m	5,400 kg	3,500 kg			*6,300 kg	4,900 kg	*7,400 kg	*7,400 kg	*10,200 kg	*10,200 kg		
3.0 m	7.81 m	4,900 kg	3,150 kg	5,250 kg	3,350 kg	*7,150 kg	4,700 kg	*9,300 kg	7,100 kg				
1.5 m	7.88 m	4,800 kg	3,050 kg	5,150 kg	3,250 kg	7,200 kg	4,450 kg	*10,900 kg	6,650 kg				
0 m	7.67 m	4,900 kg	3,100 kg	5,050 kg	3,200 kg	7,000 kg	4,350 kg	11,100 kg	6,450 kg				
-1.5 m	7.13 m	5,450 kg	3,450 kg			7,000 kg	4,300 kg	11,050 kg	6,450 kg	*12,200 kg	*12,200 kg		
-3.0 m	6.19 m	6,750 kg	4,200 kg			7,050 kg	4,350 kg	*10,400 kg	6,550 kg	*14,300 kg	12,700 kg		

PC210LC-10M0 Arm: 1,840 mm Without bucket Shoe: 600 mm triple grouser													
B	A	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	4.71 m	*6,850 kg	*6,850 kg					*6,750 kg	*6,750 kg				
6.0 m	6.09 m	*6,300 kg	4,800 kg			*6,550 kg	4,950 kg	*6,850 kg	*6,850 kg				
4.5 m	6.88 m	6,050 kg	3,900 kg			*6,850 kg	4,800 kg	*8,200 kg	7,450 kg				
3.0 m	7.29 m	5,450 kg	3,450 kg			7,350 kg	4,600 kg	*10,100 kg	6,900 kg				
1.5 m	7.36 m	5,250 kg	3,350 kg			7,150 kg	4,450 kg	11,200 kg	6,550 kg				
0 m	7.13 m	5,450 kg	3,450 kg			7,000 kg	4,350 kg	11,100 kg	6,450 kg				
-1.5 m	6.55 m	6,200 kg	3,900 kg			7,000 kg	4,350 kg	*11,100 kg	6,500 kg	*12,900 kg	12,750 kg		
-3.0 m	5.51 m	*7,600 kg	5,000 kg					*9,600 kg	6,650 kg	*12,650 kg	*12,650 kg		

* 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: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
⊗: Rating at maximum reach.

Conditions:

- 5,700 mm one-piece boom.
- Shoe width: - PC210LC-10M0 700 mm triple grouser.

PC210LC-10M0 Arm: 2,925 mm Without bucket Shoe: 700 mm triple grouser													
B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.15 m	*3,850 kg	*3,850 kg			*4,450 kg	*4,450 kg						
6.0 m	7.26 m	*3,600 kg	*3,600 kg			*5,150 kg	*5,150 kg						
4.5 m	7.93 m	*3,550 kg	3,150 kg	*5,400 kg	3,450 kg	*5,750 kg	5,000 kg	*6,500 kg	*6,500 kg				
3.0 m	8.29 m	*3,700 kg	2,850 kg	5,300 kg	3,350 kg	*6,600 kg	4,750 kg	*8,450 kg	7,250 kg				
1.5 m	8.36 m	*3,950 kg	2,750 kg	5,150 kg	3,250 kg	7,250 kg	4,500 kg	*10,250 kg	6,750 kg				
0 m	8.15 m	*4,450 kg	2,800 kg	5,050 kg	3,150 kg	7,050 kg	4,300 kg	11,200 kg	6,450 kg	*7,000 kg	*7,000 kg		
-1.5 m	7.65 m	4,900 kg	3,050 kg	5,050 kg	3,100 kg	6,950 kg	4,200 kg	11,100 kg	6,350 kg	*11,450 kg	*11,450 kg	*7,250 kg	*7,250 kg
-3.0 m	6.78 m	5,900 kg	3,650 kg			7,000 kg	4,250 kg	*10,700 kg	6,400 kg	*15,200 kg	12,500 kg	*11,900 kg	*11,900 kg
-4.5 m	5.37 m	*7,000 kg	5,200 kg					*8,700 kg	6,650 kg	*12,200 kg	*12,200 kg		

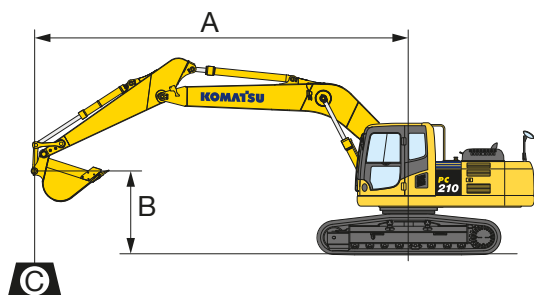
PC210LC-10M0 Arm: 2,410 mm Without bucket Shoe: 700 mm triple grouser													
B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	5.49 m	*5,900 kg	*5,900 kg										
6.0 m	6.71 m	*5,500 kg	4,250 kg			*5,800 kg	5,150 kg	*6,050 kg	*6,050 kg				
4.5 m	7.44 m	*5,450 kg	3,550 kg			*6,300 kg	5,000 kg	*7,400 kg	*7,400 kg	*10,200 kg	*10,200 kg		
3.0 m	7.81 m	5,000 kg	3,200 kg	5,350 kg	3,450 kg	*7,150 kg	4,750 kg	*9,300 kg	7,200 kg				
1.5 m	7.88 m	4,850 kg	3,100 kg	5,250 kg	3,350 kg	7,300 kg	4,550 kg	*10,900 kg	6,800 kg				
0 m	7.67 m	5,000 kg	3,150 kg	5,200 kg	3,250 kg	7,150 kg	4,400 kg	11,300 kg	6,600 kg				
-1.5 m	7.13 m	5,550 kg	3,500 kg			7,100 kg	4,400 kg	11,300 kg	6,550 kg	*12,200 kg	*12,200 kg		
-3.0 m	6.19 m	6,900 kg	4,300 kg			7,200 kg	4,450 kg	*10,400 kg	6,650 kg	*14,300 kg	12,950 kg		

PC210LC-10M0 Arm: 1,840 mm Without bucket Shoe: 700 mm triple grouser													
B	A	MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	4.71 m	*6,850 kg	*6,850 kg					*6,750 kg	*6,750 kg				
6.0 m	6.09 m	*6,300 kg	4,900 kg			*6,550 kg	5,000 kg	*6,850 kg	*6,850 kg				
4.5 m	6.88 m	6,150 kg	3,950 kg			*6,850 kg	4,900 kg	*8,200 kg	7,550 kg				
3.0 m	7.29 m	5,550 kg	3,550 kg			7,500 kg	4,700 kg	*10,100 kg	7,050 kg				
1.5 m	7.36 m	5,350 kg	3,400 kg			7,250 kg	4,500 kg	*11,400 kg	6,650 kg				
0 m	7.13 m	5,600 kg	3,500 kg			7,150 kg	4,400 kg	11,300 kg	6,550 kg				
-1.5 m	6.55 m	6,300 kg	3,950 kg			7,150 kg	4,400 kg	*11,100 kg	6,600 kg	*12,900 kg	*12,900 kg		
-3.0 m	5.51 m	*7,600 kg	5,100 kg					*9,600 kg	6,750 kg	*12,650 kg	*12,650 kg		

* 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: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
⊗: Rating at maximum reach.

Conditions:

- 5,700 mm one-piece boom.
- Shoe width: - PC210LC-10M0 800 mm triple grouser.

PC210LC-10M0														
		Arm: 2,925 mm		Without bucket		Shoe: 800 mm triple grouser								
B	A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	6.15 m		*3,850 kg	*3,850 kg			*4,450 kg	*4,450 kg						
6.0 m	7.26 m		*3,600 kg	*3,600 kg			*5,150 kg	*5,150 kg						
4.5 m	7.93 m		*3,550 kg	3,200 kg	*5,400 kg	3,500 kg	*5,750 kg	5,050 kg	*6,500 kg	*6,500 kg				
3.0 m	8.29 m		*3,700 kg	2,900 kg	5,350 kg	3,400 kg	*6,600 kg	4,800 kg	*8,450 kg	7,350 kg				
1.5 m	8.36 m		*3,950 kg	2,800 kg	5,250 kg	3,300 kg	7,350 kg	4,550 kg	*10,250 kg	6,800 kg				
0 m	8.15 m		*4,450 kg	2,850 kg	5,150 kg	3,200 kg	7,150 kg	4,350 kg	*11,250 kg	6,500 kg	*7,000 kg	*7,000 kg		
-1.5 m	7.65 m		4,950 kg	3,100 kg	5,100 kg	3,150 kg	7,050 kg	4,300 kg	11,200 kg	6,450 kg	*11,450 kg	*11,450 kg	*7,250 kg	*7,250 kg
-3.0 m	6.78 m		5,950 kg	3,700 kg			7,100 kg	4,300 kg	*10,700 kg	6,500 kg	*15,200 kg	12,650 kg	*11,900 kg	*11,900 kg
-4.5 m	5.37 m		*7,000 kg	5,250 kg					*8,700 kg	6,750 kg	*12,200 kg	*12,200 kg		

PC210LC-10M0														
		Arm: 2,410 mm		Without bucket		Shoe: 800 mm triple grouser								
B	A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	5.49 m		*5,900 kg	*5,900 kg										
6.0 m	6.71 m		*5,500 kg	4,300 kg			*5,800 kg	5,200 kg	*6,050 kg	*6,050 kg				
4.5 m	7.44 m		*5,450 kg	3,600 kg			*6,300 kg	5,050 kg	*7,400 kg	*7,400 kg	*10,200 kg	*10,200 kg		
3.0 m	7.81 m		5,100 kg	3,250 kg	5,400 kg	3,450 kg	*7,150 kg	4,850 kg	*9,300 kg	7,300 kg				
1.5 m	7.88 m		4,950 kg	3,150 kg	5,300 kg	3,350 kg	7,400 kg	4,600 kg	*10,900 kg	6,850 kg				
0 m	7.67 m		5,100 kg	3,200 kg	5,250 kg	3,300 kg	7,250 kg	4,450 kg	11,450 kg	6,650 kg				
-1.5 m	7.13 m		5,650 kg	3,550 kg			7,200 kg	4,450 kg	*11,400 kg	6,650 kg	*12,200 kg	*12,200 kg		
-3.0 m	6.19 m		7,000 kg	4,350 kg			7,300 kg	4,500 kg	*10,400 kg	6,750 kg	*14,300 kg	13,100 kg		

PC210LC-10M0 Arm: 1,840 mm Without bucket Shoe: 800 mm triple grouser													
B \ A	MAX	⊗ MAX		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.5 m	4.71 m	*6,850 kg	*6,850 kg					*6,750 kg	*6,750 kg				
6.0 m	6.09 m	*6,300 kg	4,950 kg			*6,550 kg	5,050 kg	*6,850 kg	*6,850 kg				
4.5 m	6.88 m	*6,200 kg	4,000 kg			*6,850 kg	4,950 kg	*8,200 kg	7,650 kg				
3.0 m	7.29 m	5,600 kg	3,600 kg			7,550 kg	4,750 kg	*10,100 kg	7,100 kg				
1.5 m	7.36 m	5,450 kg	3,450 kg			7,350 kg	4,550 kg	*11,400 kg	6,750 kg				
0 m	7.13 m	5,650 kg	3,550 kg			7,250 kg	4,450 kg	11,450 kg	6,650 kg				
-1.5 m	6.55 m	6,400 kg	4,000 kg			7,250 kg	4,450 kg	*11,100 kg	6,700 kg	*12,900 kg	*12,900 kg		
-3.0 m	5.51 m	*7,600 kg	5,200 kg					*9,600 kg	6,850 kg	*12,650 kg	*12,650 kg		

* 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.

Major component weights

Items				Weight for a machine (kg)	
				STD Undercarriage	LC Undercarriage
Boom (Incl. piping, pins, arm cylinder)	5.7 m	Type A*	Without ATT piping	1,870	
			With 1ATT piping	1,920	
		Type B**	Without ATT piping	1,910	
			With 1ATT piping	1,970	
Arm (Incl. piping, pins, bucket cylinder)	2.9 m	Without ATT piping		1,100	
		With 1ATT piping		1,155	
	2.4 m	Without ATT piping		1,010	
		With 1ATT piping		1,070	
	1.8 m	Without ATT piping		950	
		With 1ATT piping		1,010	
Bucket (Without linkage)	0.80 m³ GP		680		
	0.94 m³ GP		740		
	1.00 m³ HD		880		
	1.20 m³ GP		910		
Roller guards	STD		45	85	
	Full length		220	265	
Shoe assembly (With link)	600 mm		2,430	-	
	700 mm		2,810	3,060	
	800 mm		3,060	3,340	

*: for Asia, C.S. America **: for Middle East, Africa. Note: area may vary.

»Standard specification

Operating weight: PC210-10M0: 20,500 kg

PC210LC-10M0: 21,700 kg

Operating weight including below specifications.

Boom: 5,700 mm STD

Arm: 2,925 mm STD

Bucket: 1.00 m³ HD

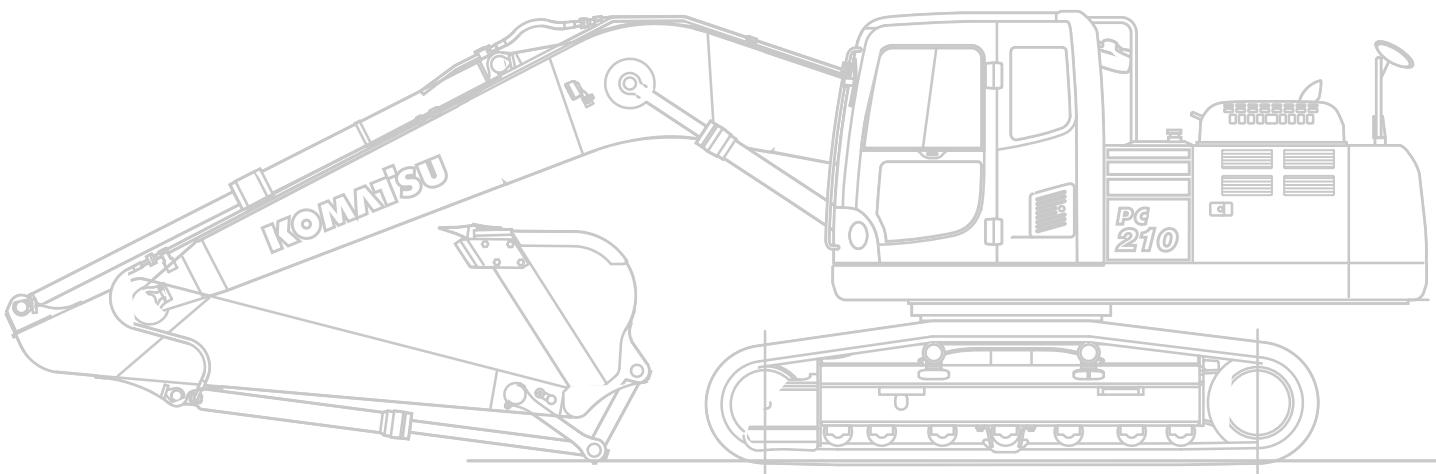
Shoe: 600 mm triple grouser

700 mm triple grouser (LC)

Counter weight: STD

Track roller guard: STD

Rated capacity of lubricants, coolant, full fuel tank, 80 kg operator.





STANDARD EQUIPMENT

ENGINE

- »Air pre-cleaner.
- »Automatic engine warm-up system.
- »Compliant bio diesel fuel.
- »Coolant filter.
- »Dry type air cleaner, double element.
- »Engine, Komatsu SAA6D107E-1.
- »Engine overheat prevention system.
- »Fan clutch.
- »Radiator and oil cooler dust proof net.

ELECTRICAL SYSTEM

- »Alternator, 24 V/60 A, brushless.
- »Auto-decelerator.
- »Batteries, 2 X 12 V/110 Ah.
- »Battery disconnect switch with operation lamp.
- »Starting motor, 24 V/4.5 kW.
- »Working light, 2 (Boom and R.H.).

HYDRAULIC SYSTEM

- »Boom holding valve.
- »Clogging sensor for hydraulic oil return filter.
- »Power maximizing system.
- »Pressure proportional control (PPC) hydraulic control system.
- »Working mode selection system.

GUARDS AND COVERS

- »Fan guard structure.

UNDERCARRIAGE

- »Hydraulic track adjusters (Each side).
- »Track guiding guard, center section.
- »Track roller.
 - PC210-10M0: 7 each side.
 - PC210LC-10M0: 9 each side.
- »Track shoe.
 - PC210-10M0: 600 mm triple grouser.
 - PC210LC-10M0: 700 mm triple grouser.

OPERATOR ENVIRONMENT

- »12 V power supply.
- »Auto A/C with defroster.
- »AUX equipped with radio.
- »Equipment management monitoring system.
- »Large multi-lingual high resolution LCD monitor.
- »Rear view mirrors (R.H., L.H., rear, sidewise).
- »ROPS cab (ISO 12117-2).
- »Suspension seat.

OTHER EQUIPMENT

- »Blow-by sensor.
- »Counterweight.
- »Electric horn.
- »KOMTRAX (Only for approved area).
- »Rear reflector.
- »Slip-resistant plates.
- »Travel alarm.



OPTIONAL EQUIPMENT

ENGINE

- »Additional filter system for poor-quality fuel (Water separator).
- »Large capacity fuel pre-filter.

ELECTRICAL SYSTEM

- »Amber beacon lamp on cab roof.
- »Batteries, large capacity.
- »Working lights.
 - 2 on cab.
 - 1 on counterweight.

HYDRAULIC SYSTEM

- »Arm holding valve.
- »Clogging sensor for breaker return filter.
- »Inline filter.
- »Long lubricating intervals for work equipment bushing (500 hours).
- »Service valve.

GUARDS AND COVERS

- »Heavy duty revolving frame undercover.
- »Revolving frame deck guard.

UNDERCARRIAGE

- »Shoes, triple grouser shoes.
 - PC210-10M0: 700 mm, 800 mm.
 - PC210LC-10M0: 600 mm, 800 mm, 900 mm.
- »Track frame undercover.
- »Track roller guards (full length).

OPERATOR ENVIRONMENT

- »Bolt-on top guard, OPG top guard level 2 (ISO 10262).
- »Cab accessories.
 - Rain visor.
 - Sun roller blind.
 - Sun visor.

- »Cab front guard.
 - Full height guard.
 - Half height guard.
- »Rear view monitor system.

WORK EQUIPMENT

- »Arms
 - 1,840 mm arm assembly.
 - 2,410 mm arm assembly.

SERVICING EQUIPMENT

- »Electric priming pump.
- »Fuel refill pump.
- »Oil sampling port (Engine & hydraulic).
- »Preventive maintenance (PM) service connector.

**Optional equipment may not be available in your country.
Please contact your Distributor for further information.**



SATELLITE MONITORING SYSTEM

KOMTRAX is a revolutionary tracking system designed to save time and money. Nowadays, the equipment can be tracked anytime and anywhere. This valuable data, received via the KOMTRAX website, can be used to optimize planning of the movements and performance of the equipment.

FEATURES

» LOCATION

KOMTRAX uses a satellite positioning network to inform the location of the equipment.

» GEOFENCE

In partnership with their Komatsu Distributor, owners can create virtual fences (Geo) to receive alerts when the equipment enters or leaves the designated range for operations.

» SERVICE METER READING

Daily report of the equipment's working hours, which allows planning maintenance and replacement of components.

» KOMTRAX OPERATION MAPS

In the operation maps you can check the times of the day when the equipment is in operation and if the workers are

performing their duties in the stipulated times.

» FUEL MEASUREMENT LEVEL

Shows the amount of fuel at the end of the working day.

» WATER TEMPERATURE DAILY RECORD

Constant record of the increase of engine water temperature with a daily report at the end of the day.

» CAUTIONS

If a light turns on in the cab of the equipment it indicates that a problem occurs. From the website of the application you can review the reason for the problem, the time it occurred and a record number will be generated.

» ABNORMALITY CODES

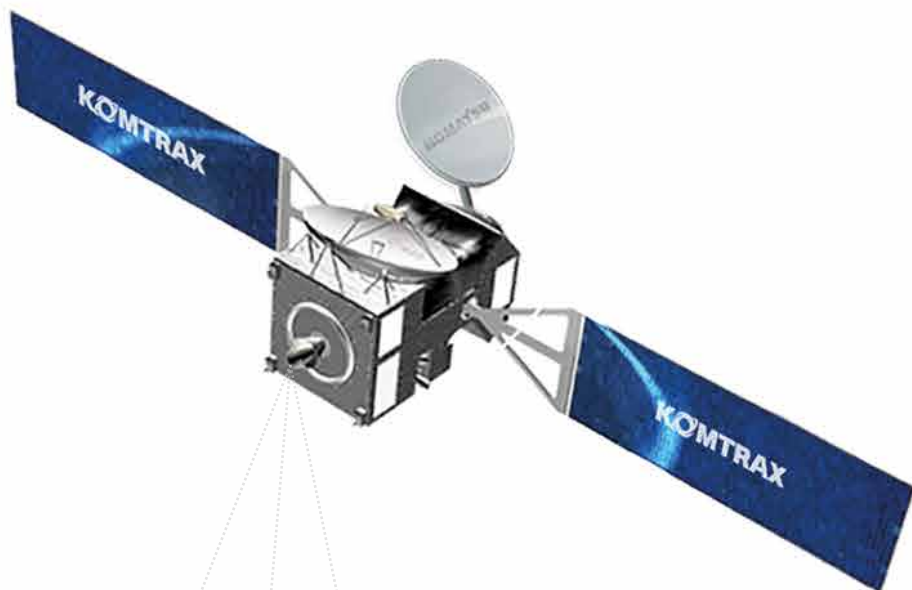
Abnormality codes are transmitted to the Komatsu Distributor for troubleshooting before technicians arrive at the workplace. An email notification is also sent with the code of what happened.

» NOTICE OF MAINTENANCE REPLACEMENT

The system generates alerts to inform that the equipment requires change of elements like filters and oil.

» EQUIPMENT KEY HOURS

Detailed information on key equipment hours such as excavation, moving, digging, alleviating and elevation. This can help to monitor and compare equipment performance, in addition to working hours and idle times.



FEATURES

» LOADING FREQUENCY

Information on the load factor of the equipment to know if it is performing a light, medium or heavy work.

» ANTI-THEFT ENGINE LOCK

KOMTRAX has a system to lock and unlock the motor of the equipment, which will allow the operation only on preset days, hours and areas.

» FUEL CONSUMPTION

On new Komatsu equipment, you can get the actual status of the fuel gallons consumed, besides an average of the fuel spent per hour during the period of operation.

» MONTHLY AND ANNUAL DATA REPORTS

KOMTRAX generates summaries of all critical system data to help with analysis of fleet utilization, equipment scheduling, future equipment purchases, labor costs, etc.

Check with your Komatsu dealer for the information available for your model and service availability in your country.



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