



Product improvement is a continuous process. Specifications given in this publication are therefore subject to change without notice. Photographs depicted may be of optional equipment Printed on 01-2022

www.komatsuindia.in

KOMATSU® Marketed & Serviced by: L&T Construction & Mining Machinery

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CIN: L99999MH1946PLC004768

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Photos may include optional equipment.

OPERATING WEIGHT : 24.5 - 25.1 T GROSS HP : 123 kW 165 HP/2000 min⁻¹ NET HP: 123 kW 165 HP/2000 min⁻¹ BUCKET CAPACITY: 0.5 m³



HYDRAULIC EXCAVATOR

Heliner Returns. Peace of Mind.

SPECIAL SUPER LONG FRONT FEATURES

• 15m Horizantal reach

- Special counterweight for easy switching between long reach and standard attatchment
- Maximum material density 1.8 ton/m³

- INFORMATION & COMMUNICATION TECHNOLOGY (ICT) & KOMTRAX
- Large high resolution Liquid Crystal Display (LCD) monitor
- Equipment Management & Monitoring System
- KOMTRAX Facility

Heavy-duty Work Equipment
Reliable major components designed and heith her Konstant

EXCELLENT RELIABILITY AND DURABILITY

KOMATSU

- built by Komatsu
- Exceptionally reliable electronic devices

HIGHER PRODUCTIVITY

- Higher stability
- Improved travel performance

Photos may include optional equipment.

SAFETY & COMFORT

• Large comfortable cab

• Large side view, rear and sidewise mirrors

PC210LC-10M0 SUPER LONG FRONT



LOWER MAINTENANCE COST

- Less maintenance cost
- Early detection and warning system to protect major components
- Visually impressive maintenance information on the monitor screen

LOW FUEL CONSUMPTION

COMATSU 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

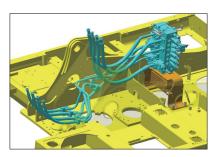
applications. **Fuel consumption** -20% PC210-10M0 PC210-8M0 Based on typical work pattern collected via KOMTRAX. Fuel consumption varies depending on job condition.

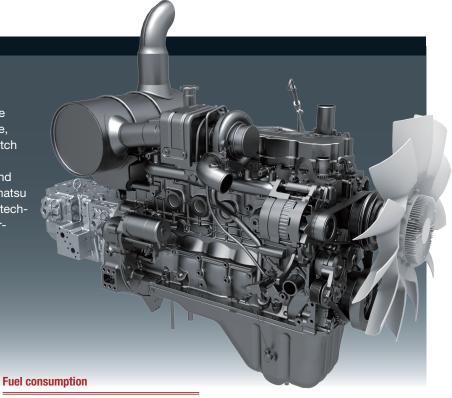
Improvement of engine combustion efficiency

By optimizing the fuel injection control, the engine combustion efficiency has improved. This technology has 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 and contributes to low fuel consumption.

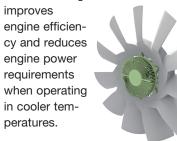




20% better (Compared to the PC210-8M0) Fuel consumption varies depending on job condition.

Reduced fan speed and fan drive loss

A speed controlled viscous fan clutch and large diameter fan



Enhanced engine-pump matching control

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

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

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.

Convertible Counterweight

Equipped with Split type Counterweight consisting of fixed counterweight and additional counterweight, the machine can be used with standard Work Equipment by removing of additional counterweight.



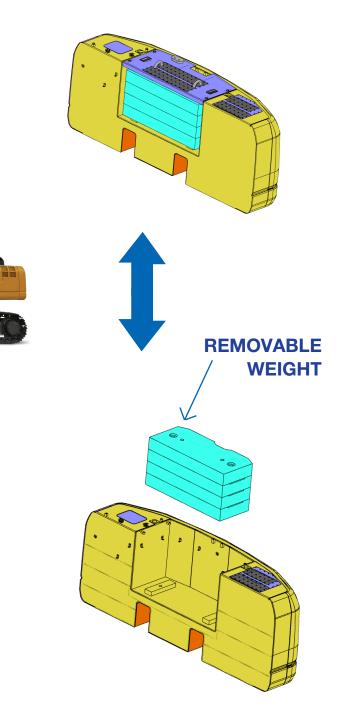
Easy switching between long reach attachment and standard attachment



Photos may include optional equipment.

PC210LC-10M0 SUPER LONG FRONT

PC210LC-10M0 SUPER LONG FRONT



EASY MAINTENANCE, LOWER 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.

- Easier cleaning of the core by making the automatic air conditioner (A/C) capacitor a hinge structure
- Dust-proof net does not require tools for easy cleaning
- Making oil cooler a single piece from 2 pieces, no more space accumulating dust



Easy oil sampling

Easy oil sampling ports are added. It

is important to get sample that was

agitated properly. Using this equip-

ment will help in accurate analysis.

Minimize breaking of circle

The grease nipple of the circle is embedded for protection. It is

Clogging hydraulic oil filter caution

grease nipple

irrefrangible

structure even

if wood debris

coiled around

a swing circle.

or dusts are

Clogging

sensor for

breaker line

2500 Hrs 1000 Hrs

management

reached.

Easy to know maintenance time when using breaker In addition to the above functions, it

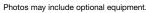
monitors the breaker usage time. Since the replacement time will be changed depending on the breaker usage time, monitor can notify the optimum replacement time.



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 monitor to notify replacing the filter. This helps prevent the breakdowns and reduce repair cost.

Fuel line contamination prevention

Fuel pre-filter removes water and contaminants in the fuel to prevent fuel problems (with built in primina pump).



PC210LC-10M0 SUPER LONG FRONT

Easy maintenance time

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

1000 h	910 h
ิก	

Extended replacement interval of hydraulic oil filter

The replacement interval of the hydraulic oil filter element is extended by 2.5 times. It contributes to reduction of maintenance cost.









Pre-cleaner for dusty condition

Even in dusty places, by installing pre-cleaner 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-cleaner.



Battery disconnect switch

A battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing or maintenance of the machine. Also, minimize discharge of the battery during long-term non operation. System operating lamp indicates the timing when switch was disconnected to prevent controller failures.

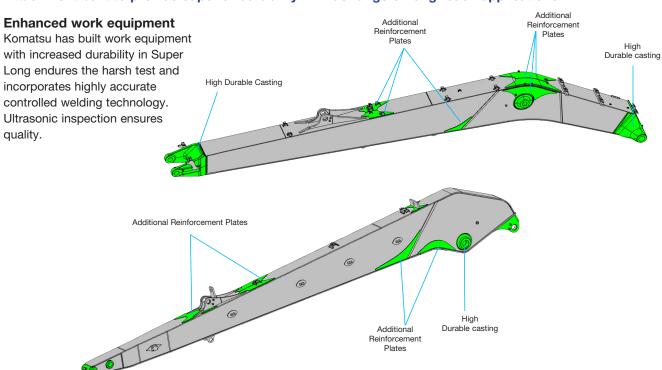


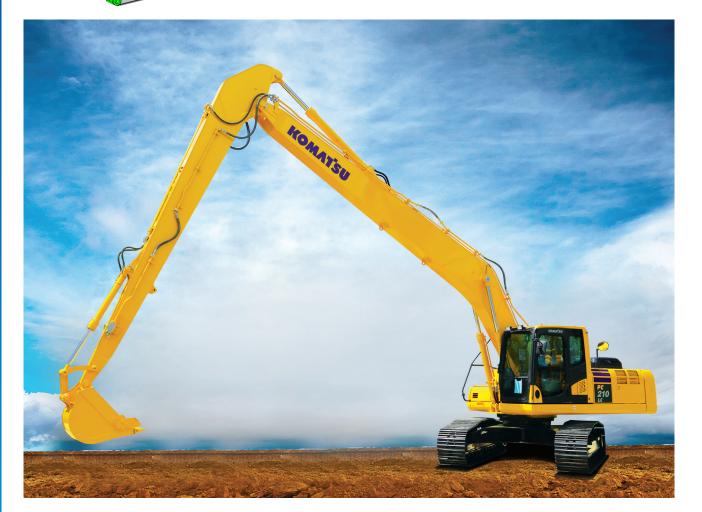
Other Features

- Easy cleaning drain port of fuel tank
- Improved drainability of hydraulic oil and fuel
- Easy to check level of hydraulic oil
- Blow-by pressure detection

HIGHER DURABILITY

High Strength Work Equipment & Frames to work with large size bucket. Attachment built to provide superior durability in wide range of long reach applications







Reinforced revolving frame

Main components are installed to revolving frame. Revolving frame is strengthened to withstand the stresses imposed by severe conditions at site. 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.

Track Frame Reinforcement

The reinforcement prevents the idler guide from opening and subsequently damaging the undercarriage components.



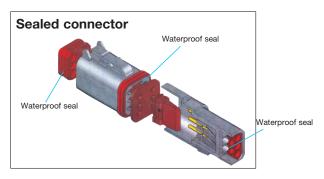
PC210LC-10M0 SUPER LONG FRONT

Photos may include optional equipment.

Highly reliable electronic devices

Exclusively designed electronic devices have passed severe testing.

- Controllers
 Sensors
 Connectors
- Heat resistant wiring



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.

Full length track roller guards (Optional)

The roller guards cover the entire track roller and prevent stones from getting lodged in track rollers, possible derailment of tracks and wear on track links and track rollers during turning.

ICT & KOMTRAX

LARGE HIGH RESOLUTION LCD MONITOR



Large 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.

Indicators

1 Auto-decelerator	Fuel gauge
Working mode	ECO gauge
 3 Travel speed 4 Engine water temperature gauge 	 Fuel consumption gauge Function switches mer
 Hydraulic oil temperature gauge 	Language selection
Basic operation sw	itches
Auto-decelerator	4 Buzzer cancel
2 Working mode select	tor 🧕 Wiper
3 Traveling selector	6 Window washer

Equipment Management & Monitoring System

Controller monitors engine oil level, coolant temperature,

battery charge air clogging, etc. If the controller finds any

The monitor informs replacement time of oil and filters on

the LCD when the replacement interval is reached.

abnormality, it is displayed on the LCD.

Trouble data memory function

Monitor stores abnormalities for effective

Supports Efficient Operation

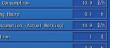
The main screen displays advice for promoting energysaving operations from time to time. The operator can use the ECO guidance menu to check the operation records, ECO guidance records, average fuel consumption logs, etc.



ECO guidance menu

ECO guidance records





Average fuel consumption logs

Monitor function

troubleshooting.

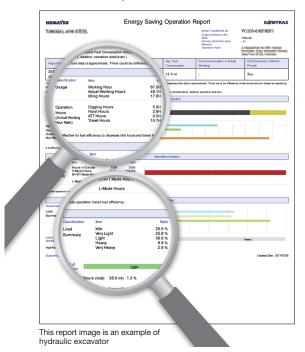
Maintenance function

KØMTRAX

Komatsu remote monitoring and management technology provides insightful data for optimizing fleet efficiency.

Energy Savings Operation Report

KOMTRAX delivers the energy-savings operation report based on operating information such as fuel consumption, load summary and idling time, which helps you run the business efficiently.



Optimum Strategy for Efficient Work

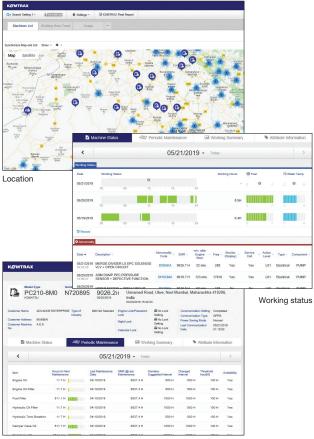
With the detailed information that KOMTRAX provides, you can manage your fleet conveniently on the web anytime, anywhere. It gives you the power to make informed decisions and long-term strategy.



PC210LC-10M0 SUPER LONG FRONT

Equipment Management Support

Through the web application, a variety of search parameters are available to guickly find information about specific machines based on key factors. Moreover, KOMTRAX finds out machines with problems from your fleet and shows you through an optimal interface.



Periodic maintenance

The report contents and data depend on the machine model.



SAFETY & COMFORT

Gas-assisted damper cylinders for opening engine hood

Gas-assisted damper cylinders help 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 with high temperature parts or the finger being caught by fan when checking around the engine, by installing thermal guards and fan guard.



Lock lever

Locks the hydraulic pressure to prevent unintentional movement. Neutral start function allows machine to be started only in lock position.





Large Side-view, Rear and

Large mirrors to meet all-round

Sidewise Mirrors

visibility requirements

KOMATSU

Photos may include optional equipment.

Slip-resistant plates

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



Large handrail



• Cab guard: • Front strengthened meshguard (Optional)

- **Top guard** (Optional)
- Pump/Engine room partition



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

Suspension seat

Suspension seat with weight adjustment function is offered as standard equipment. This seat can reduce fatigue even after long hours of operation.

Pressurized cab

Pressurizing inside the cab minimizes the dust entering from outside. This keeps the cab clean.

Low cab noise

With relatively low noise, you can operate without stress. Ambient noise is also reduced, thus reducing the stress of workers around.

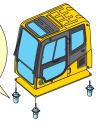
Automatic A/C

Low vibration with cab damper mounting

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

PC210LC-10M0 SUPER LONG FRONT

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



Auxiliary



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



MACHINE CARE PROGRAM

PRODUCT SUPPORT

Suraksha-10000 / MCP4

4 YEARS / 10,000 HOURS*

Extended Powertrain Warranty

- 1. Protection from unexpected expenses and cash flow
- 2. Trouble free ownership experience with higher machine availability
- 3. Lower life cycle cost
- 4. Lower cost per ton output
- Higher resale value arising out of after sales support by authorized distributor using genuine Komatsu parts and lubricants*

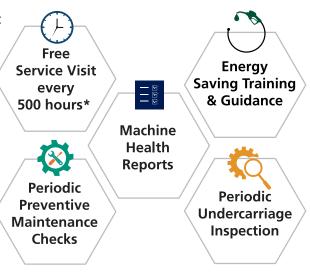


Type of Warranty	Standard Warranty	Extended Power Train Warranty*
Warranty period (from date of commissioning)	1 year or 3,000 hours*	4 years or 10,000 hours*
Warranty coverage	Machine	Engine, hydraulic pump, control valve, Swing machinery, swing motor, final drive & track motor*

* Terms & Conditions Apply. Please check with your local distributor's office for more details

Suraksha 10000 offers value added programs:

- 1. Komatsu Undercarriage Inspection
- 2. Energy Saving Training & Guidance
- KOMTRAX[™] Machine Health Reports With this Machine Care Program, you will have a distinctive advantage in maintenance expenses. Significant savings on diesel consumed every hour further reduces operating cost, thanks to saving training and guidance.





Komatsu Total Support

To keep your machine available and minimize operation costs, L&T CMB (Komatsu Distributor) provides total equipment support before and after procuring the machine.

Fleet recommendation

L&T CMB will study the customer jobsite and provide the most optimum fleet recommendation with detailed information to meet your application needs when you are considering to buy new machines or to replace the existing ones.

Technical support

L&T CMB offers effective services for maintenance and support of Komatsu machine.

- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program
- Undercarriage inspection service
- Hose inspection



PC210LC-10M0 SUPER LONG FRONT



Product support

Komatsu machines are supported by L&T CMB's strong nationwide network of dealerships, parts outlets and service centres.

Parts availability

L&T CMB with its central warehouse at Nagpur and nationwide network of dealership ensure ready availability and highest first pick rate of genuine and quality guaranteed Komatsu parts.

Repair & maintenance service

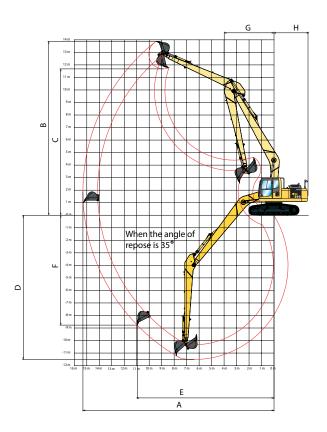
L&T CMB offers periodical maintenance and quality repair service to the customers, utilizing and promoting Komatsu programs.



SPECIFICATIONS

PC210LC-10M0 Super Long Front		
A	Overall length	12,540mm
B	Overall height (To top of boom)	3,090 mm
C	Overall width	2,980 mm
D	Cab high	3,045 mm
	Track shoe width	600 mm
	Distance, swing to rear end	2,910 mm





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
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
Main pump:
Type piston type
Pumps for Boom, arm, bucket, swing, and travel circuits
Maximum flow 475 L/min
Supply for control circuitSelf-reducing valve
Hydraulic motors:
Travel 2 x axial piston motor with parking brake
Swing1 x axial piston motor with swing holding brake
Relief valve setting:
Implement circuits
Travel circuit
Swing circuit
Pilot circuit
Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom 85 mm 2–120 mm x 1334 mm x 85 mm
Arm 1–140 mm x 1470 mm x 95 mm
Bucket 1–95 mm x 885 mm x 65 mm

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 8.6 m mono boom, 6.4 m arm, 0.5 m³ PC210LC-10M0 Super Front backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

SWING SYSTEM

UNDERCARRIAGE

CAPACITY (REFILLING)

DRIVES AND BRAKES

(Auto-shift) (Auto-shift)

Drive method..... Hydrostatic Swing reductionPlanetary gear Swing circle lubrication..... Grease-bathed Service brake Hydraulic lock Holding brake/Swing lock..... Mechanical disc brake Swing speed 12.4 min⁻¹

Center frame X-frame Track frameBox-section Seal of track Sealed track

Number of carrier rollers 2 each side

COOLANT AND LUBRICANT

Swing drive 5.3 L

Steering control.....Two levers with pedals Drive method......Hydrostatic Maximum drawbar pull 178 kN 18200 kg Maximum travel speed: High 5.5 km/h

Service brakeHydraulic lock Parking brake Mechanical disc brake

Mid 4.1 km/h

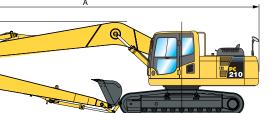
Choose	PC210LC-10M0	
Shoes	Operating Weight	Ground Pressure
600 mm	24500 kg	0.52 kg/cm ²
800 mm	25100 kg	0.40 kg/cm ²

Bucket Capacity (heape	ed) Wi	Width		Nucher of Tooth	Arm Length
SAE, PCSA	Width Side Cutters	Width Side Cutters	Width Side Cutters	Nmber of Teeth	6.4 m
0.50 m ³	835 mm	935 mm	450 kg	4	0

These figures are based on operating conditions with maximum bucket load, maximum reach and ensured lateral stability.

O: Material weight not over 1.8 t/ m³

PC210LC-10M0 SUPER LONG FRONT



PC210LC-10M0 Super Long Front			
	Boom	8.6 m	
	Arm	6.4 m	
	Bucket	0.50 m ³	
Α	Max. digging reach	15,160 mm	
В	Max. digging height	13,380 mm	
C	Max. dumping height	11,055 mm	
D	Max. digging depth	11,620 mm	
Ε	Digging reach at 35º repose angle	12,120 mm	
F	Digging depth at 35° repose angle	7,210 mm	
G	Min. swing radius	4,040 mm	
Н	Tail swing radius	3,050 mm	
	Bucket Radius	1,267 mm	
	Max. digging reach at ground level	15,030 mm	



STANDARD EQUIPMENT

ENGINE

- Air pre-cleaner
- Automatic engine warm-up system
- 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
- Large capacity fuel pre-filter

ELECTRICAL SYSTEM

- Alternator, 24 V/60 A, brushless
- Auto-decelerator
- Batteries, 2 X 12 V/88 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 return filter
- Power maximizing system
- Pressure Proportional Control (PPC)
- hydraulic control system
- Working mode selection system
- Service Valve

210LC-10M0 SUPER LONG FRONT

Λ^* **OPTIONAL EQUIPMENT**

ELECTRICAL SYSTEM

- Amber beacon lamp on cab roof
- Working lights
- —2 on cab
- -1 on counterweight

HYDRAULIC SYSTEM

- Clogging sensor for breaker return filter
- Inline filter
- Attachment Piping kit

GUARDS AND COVERS

• Heavy duty revolving frame undercover

UNDERCARRIAGE

- Track frame undercover
- Track roller guards (Full length)
- Triple Grouser Shoes
- -800mm track

GUARDS AND COVERS • Fan guard structure

UNDERCARRIAGE

- Hydraulic track adjusters (Each side)
- Track guiding guard, center section
- Track roller 9 each side
- Track shoen 600 mm triple grouser

OPERATOR ENVIRONMENT

- 12 V power supply
- Auto A/C with defroster
- AUX equipped with radio
- Equipment Management Monitoring System
- Large high resolution LCD monitor • Rear view mirrors (R.H., L.H., rear,
- sidewise) Suspension seat

OPERATOR ENVIRONMENT

- Bolt-on top guard
- Cab accessories
- -Rain visor
- -Sun visor
- Cab front guard
- -Full height guard Top guard level 2
- Front guard level 2

SERVICING EQUIPMENT

• Preventive Maintenance (PM) service connector

SERVICING EQUIPMENT

- Oil sampling port (Engine & hydraulic)
- OTHER EQUIPMENT
- Blow-by sensor
- Heavy Counterweight
- Electric horn

- _____
 - _____

- _____
- _____
- _____

- KOMTRAX
- Rear reflector
- Slip-resistant plates



PC210LC-10M0 SUPER LONG FRONT