

KOMATSU

PC228USLC-3

ENGINE POWER
116 kW / 156 HP @ 2.000 rpm

OPERATING WEIGHT
22.605 - 23.850 kg

BUCKET CAPACITY
max. 1,39 m³

PC
228

HYDRAULIC EXCAVATOR



PC228USLC-3

ecot3

WALK-AROUND

Working in congested or confined areas can be a challenge. Komatsu's PC228USLC-3 hydraulic excavator has a short tail swing profile, designed specifically for work in confined areas. By reducing tail swing, the PC228USLC-3 can work in areas where conventional profile excavators would pose a safety risk. Perfect for work on roadways, bridge work, urban areas, or anywhere space is limited, the PC228USLC-3 provides you with performance and productivity you expect from Komatsu equipment.



Ecology & Economy Features

- The Komatsu SAA6D107E-1 engine meets EU Stage IIIA and EPA Tier III emission regulations. 29% NOx reduction.
- The economy mode reduces fuel consumption.



Komatsu Tracking System

Track and monitor your machine anytime, anywhere for total peace of mind.

High stability

The PC228USLC-3 offers exceptional lifting capacity and high stability with a large counterweight that requires no additional clearance.

High mobility

Large drawbar pull and steering force display its ability when operating on a slope.

Wide working ranges

Job sites that require a long upper reach, such as demolition and slope cutting also benefit from the increased digging and dumping ranges of the PC228USLC-3.

Easy maintenance

- Extended hydraulic filter replacement interval
- Remote-mounted engine oil filter and fuel drain valve, for easy access
- Standard-equipped water separator
- Easier radiator cleaning due to side-by-side oil cooler and radiator
- EMMS (Equipment Management and Monitoring System):
Four working modes designed to match engine speed, pump speed and system pressure

ENGINE POWER
116 kW / 156 HP @ 2.000 rpm

OPERATING WEIGHT
22.605 - 23.850 kg

BUCKET CAPACITY
max. 1,39 m³

Large, comfortable cab

- Komatsu's low noise design cab is a fully pressed high-rigidity cab using viscous cab mounting for reduced noise.
- Sliding convex door facilitates easy entrance in confined areas and reduces the danger of being damaged on roadways because the door does not protrude when open.
- Komatsu's large cab meets ISO working space standards to provide secure, safe, and comfortable operation.

Safe operation

- The PC228USLC-3's round form reduces the operator's need to constantly check behind him for movement, as he would with a conventional profile machine.
- Komatsu's PC228USLC-3 occupies a road width of 3,99 m or less. This allows the machine to work on either side of the lane without having to close both sides of the road.

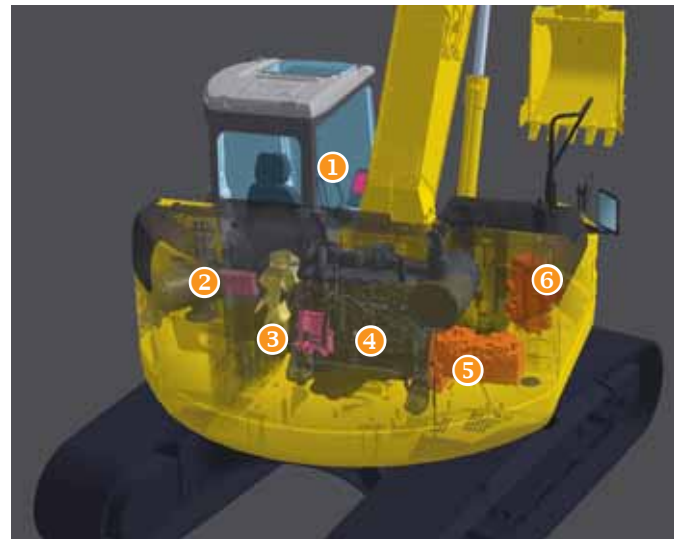
Safety features

- Anti-slip plates
- Large side-view, rear, and sidewise mirrors



Photo may show equipments not available in your area

ECOLOGY & ECONOMY FEATURES



Reliable components

All of the major machine components (such as the engine, hydraulic pump, hydraulic motor and control valves) are designed and manufactured by Komatsu. This guarantees that each component is expressly built for the class and model of machine. This ensures that the engineering, manufacturing standards and testing that go into each component are 'totally Komatsu'.

- LCD colour monitor (1)
- Hydraulic system controller (2)
- Electronic control unit for engine (3)
- Heavy-duty HPCR (High Pressure Common Rail) system (4)
- Main pump: Two pump independent control (5)
- Flow divide/merge control with EPC (6)



Low-emission engine

The Komatsu SAA6D107E-1 engine meets EPA Tier III, and EU Stage IIIA emissions regulations and reduces NOx emissions by 29%.



Reduced noise levels

Reduced noise levels during operation due to low-noise engine and other developments.

- Electronically controlled common rail engine (1)
- Low noise muffler (2)
- Optimal arrangement of sound-absorbing materials

KOMTRAX™ - KOMATSU TRACKING SYSTEM



The Komatsu Tracking System, KOMTRAX™, provides a revolutionary new way to monitor your equipment, anytime, anywhere. It lets you pin-point the precise location of your machines and obtain real-time machine data. Using GPS location and communication satellite technology, it's designed to be future proof and will meet your demands today and tomorrow.

Komtrax will help you to answer the three most important questions you have about your machine:

- Is the machine making money
- Is the machine safe
- Is the machine in good health

For more details, please ask your distributor for a copy of the Komtrax brochure.



KOMTRAX™ server

Check machine location

Customer

Check service meter



Annual working hour record

Caution and periodic maintenance

Working record (fuel level, hours etc.)



There are certain countries where Komtrax™ is not yet available, please contact your distributor when you want to activate the system. Komtrax™ will not operate if the satellite signal is blocked or obscured.

EMMS

EMMS (Equipment Management and Monitoring System)

The EMMS is a highly sophisticated system, controlling and monitoring all the excavator functions. The user interface is highly intuitive and provides the operator with easy access to a huge range of functions and operating information.

Four working modes

The PC228USLC-3 is equipped with three working modes (P, E, B), plus a lifting mode (L). Each mode is designed to match the engine speed, pump speed, and system pressure to the current requirement. This provides the flexibility to match equipment performance to the job at hand.

The diagram shows the EMMS interface on a handheld device. The top half is a color LCD screen displaying various gauges and warnings. The bottom half is a physical keypad with 16 buttons. Green circles (1-14) point to on-screen symbols, and red circles (1-16) point to physical buttons. A legend on the right explains each symbol and button function.

On-screen symbols

- 1 Operating mode
- 2 Service hours meter
- 3 Travel speed
- 4 Engine water gauge
- 5 Engine water temperature warning
- 6 Hydraulic oil gauge
- 7 Hydraulic oil temperature warning
- 8 Fuel level gauge
- 9 Fuel low level warning
- 10 Swing lock
- 11 Pre-heat
- 12 Continuous/intermittent window wiper
- 13 Auto deceleration
- 14 PowerMax

Push-button control switches

- 1 'Power' mode
- 2 'Economy' mode
- 3 'Lifting' mode
- 4 'Breaker' mode
- 5 Travel speed selector switch
- 6 Auto deceleration
- 7 Window washer
- 8 Window wiper
- 9 Select (For attachment oil flow adjustment)
- 10 Maintenance mode
- 11 Screen brightness adjustment
- 12 Input (return)
- 13 Input (up)
- 14 Input (down)
- 15 Input (confirm)
- 16 Buzzer cancel

Power mode

For maximum power and fast cycle times. Normally used for heavy operations such as hard digging and loading. This mode allows access to the 'PowerMax' function to temporarily increase digging force by 7% for added power in tough situations.

Economy mode

The environmentally-friendly mode. Run more quietly during operations at night and/or in urban areas. Fuel consumption and exhaust emissions are reduced.

Breaker mode

Delivers optimal hydraulic pressure, flow and engine RPMs for powerful breaker operations.

Lifting mode

Increases the lifting capacity 7% by raising the hydraulic pressure. This mode supports safe lifting operations.

Working mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none"> • Maximum production/power • Fast cycle times
E	Economy mode	<ul style="list-style-type: none"> • Excellent fuel economy
B	Breaker mode	<ul style="list-style-type: none"> • Optimum engine rpm and hydraulic flow
L	Lifting mode	<ul style="list-style-type: none"> • Hydraulic pressure is increased by 7%



Hydraulic flow general adjustment screen in B (breaker) mode



Fine tune hydraulic flow adjustment screen in B (breaker) mode



Fine tune hydraulic flow adjustment screen in P (power) or E (economy) mode



Password screen

Easy to see and easy to use

Superb recognition colour LCD screens for each mode. Letters and numbers are combined with colour images for exceptionally clear and easy to read information. The high-resolution screen is easy to read in bright sun and in all lighting conditions.

Automatic three-speed travel

The travel speed is automatically shifted from high to low speed, according to the ground conditions.

	High	Mid	Low
Travel speed	5,5 km/h	4,1 km/h	3,0 km/h

Fingertip hydraulic pump oil flow adjustment

From the LCD monitor, automatically select optimal hydraulic pump oil flow for breaking, crushing, and other operations in the B, P or E modes. Also, when simultaneously operating with attachments and work equipment, the flow to the attachment is reduced automatically, thus delivering smooth movement of the work equipment.

Password protection

Prevent unauthorized machine use or transport. The engine cannot be started without your four-digit use or password.

For total security, the battery is connected directly to the starter motor, both the starter and engine need the password.

The password can be activated upon request.

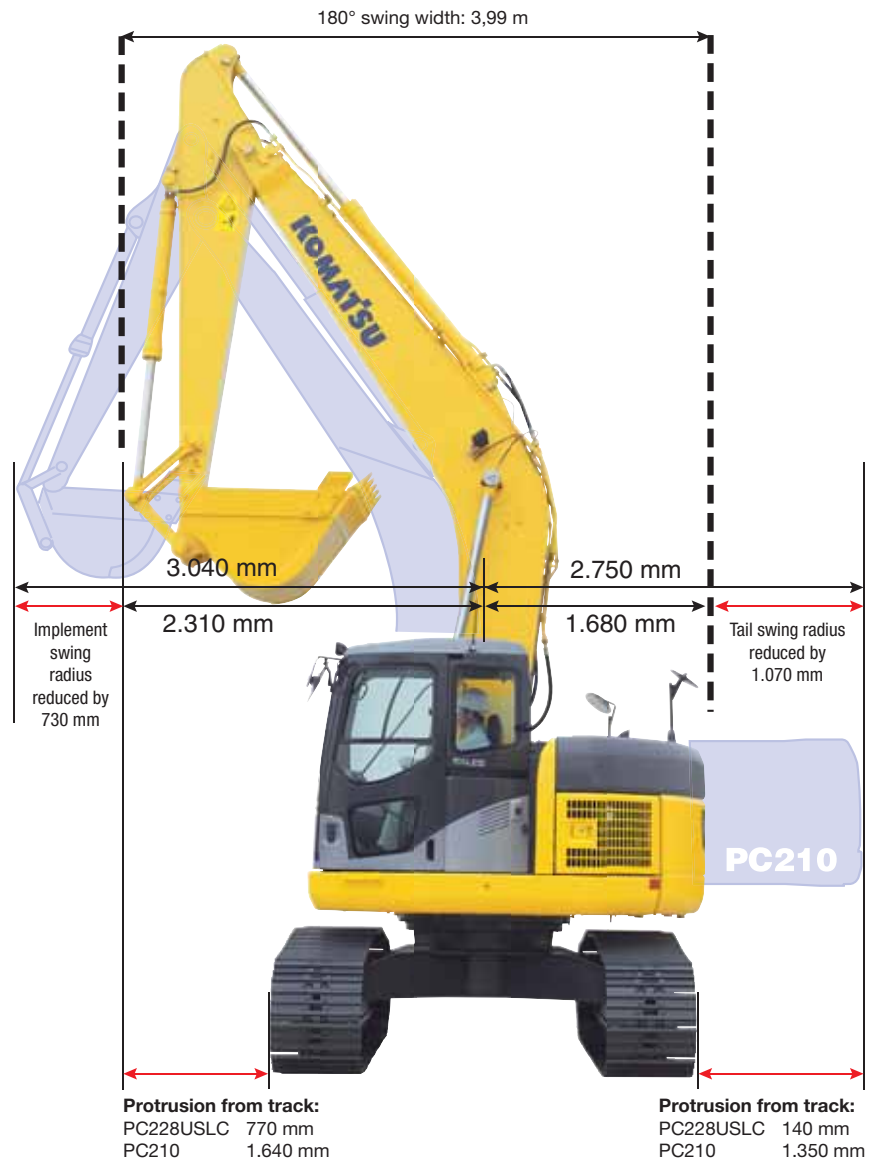
SAFETY & PRODUCTIVITY FEATURES

Short tail swing radius:

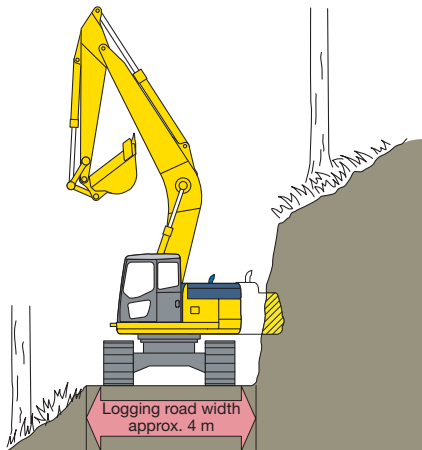
1.680 mm – Because the tail of the PC228USLC-3 is more compact than conventional models, the PC228USLC-3 reduces the operator’s need to check behind him for movement.

Short implement swing radius:

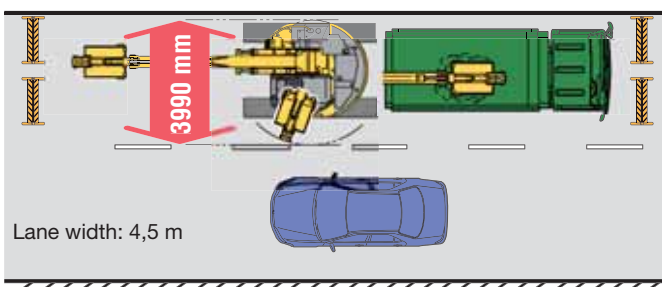
2.310 mm – Boom raising angle of the PC228USLC-3 is larger than the PC210-8, while front implement protrusion is lessened.



Logging road work



Road and bridge work



Wider working ranges

	PC228USLC-3
Arm length	2.925 mm
Maximum digging height	10.700 mm
Maximum digging depth	6.620 mm
Maximum digging reach	9.875 mm



Roadwork

When performing roadworks, protrusion of the machine to the unoccupied lane is kept minimum since the rear portion of the upper structure protrudes slightly from the track at swing. This allows a dump truck to be positioned closer to the track of the machine. The operator is able to load materials efficiently onto the front of the dump body at ease since ample dumping reach is assured for the loading. Large working space is not required for the machine.

Logging and forest roadwork

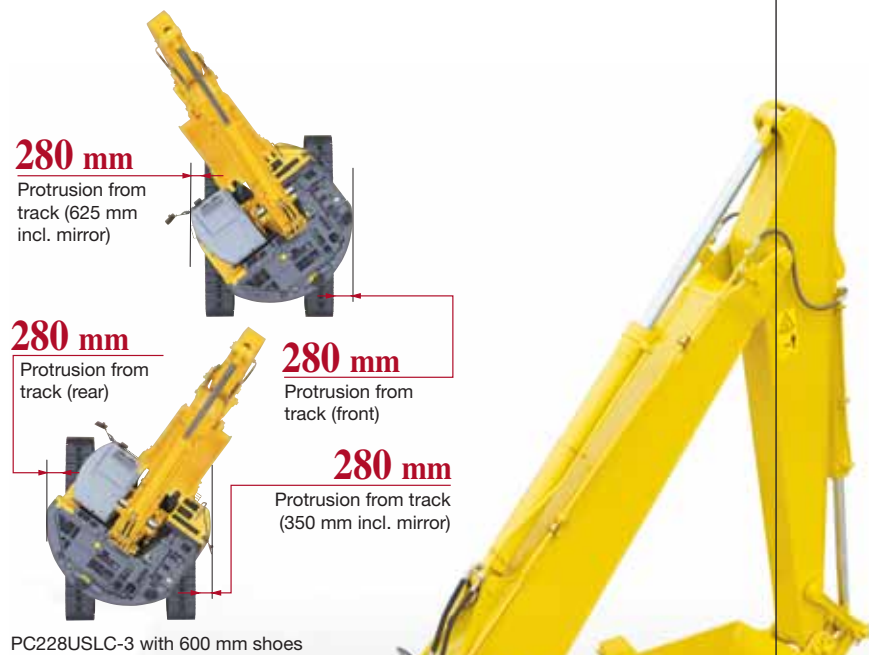
Since the protrusion of the rear portion of the upper structure is kept minimum, there is less possibility of the counterweight hitting against a tree or a slope, allowing the operator to operate the machine at ease. Furthermore, large digging height facilitates a slope finishing work large drawbar pull assures smooth and powerful traveling even on rough terrain.

Demolition

The machine needs less working space and can perform efficient demolition work since it has large and ample digging height.

Round profile of both front and rear portion of the upper structure for safer operation

Komatsu hydraulic excavators with small tail swing radius design adopt the round profile for both left and right corners of the front portion of the upper structure as well as its rear portion that features less protrusion from the track at swing. The round profile design contributes to the prevention of contact accident at swing and allows the machine to work in tight quarters or job sites where there are some obstacles.



WORKING ENVIRONMENT

Multi-position controls

The multi-position, pressure proportional control levers allow the operator to work in comfort while maintaining precise control. A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the controllers for maximum productivity and comfort.

Low-noise design

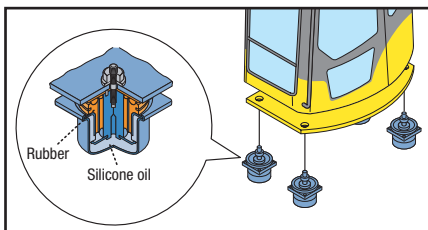
The cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allows this machine to generate a low level of noise.

Pressurised cab

An air conditioner and air filter are fitted as standard. Together with a higher internal air pressure, they reduce dust entry into the cab.

Low vibration with cab damper mounting

The cab rests on viscous damping mounts to reduce vibration and noise from the machine body. Operator fatigue is reduced.



Large capacity air conditioning, heating unit and radio



Komatsu's large cab meets ISO working space standards to provide secure, safe, and comfortable operation.



Sliding convex door

The sliding convex door facilitates easy entrance in confined areas while reducing the danger of being damaged on roadways because the door does not protrude when open. The cab also features a sliding window on the door.

The front window with lightweight sash frame can be pulled up easily. The window pulled up can be locked up at the cab top with a single-touch.



SAFETY FEATURES



Sturdy cab protects the operator from falling objects

Fully press mold cab meets the ISO head guard standard of OPG top guard level 1. The cab is produced by means of press integral molding and has a strengthened frame structure with improved total rigidity, featuring excellent durability and impact resistance. Combined with the adoption of inertia-reel seat belt, the cab protects the operator from falling objects.

Tempered and tinted glass

Tempered and tinted glass that meets occupational safety and health regulations is used for cab windows. The glass features high strength and blocks ultraviolet rays.



Seat belt

The seat belt keeps the operator in the safety zone of the cab in the event of a roll over.

Start-to-travel alarm

An alarm is installed as a standard equipment to give other workers a warning that the machine will start to travel.

Pump/engine room partition

Prevents hydraulic oil from spraying onto the engine to reduce the risk of fire.

Arm safety valve

(optional)



Anti-slip plates

Highly durable anti-slip plates maintain superior traction performance for the long term.

Lock lever

Locks the hydraulic pressure to prevent unintentional movement.

Neutral start function only allows machine to be started in lock position.



Large side-view, rear, and sidewise mirrors

Enlarged left-side mirror and addition of rear and side mirror allow the machine to meet the new ISO visibility requirements.



Improved, wide visibility

The right side window pillar has been removed and the rear pillar reshaped to provide greater visibility.

Openable skylight

Provides upper visibility.



MAINTENANCE FEATURES

Easy maintenance

Komatsu designed the PC228USLC-3 to have easy service access. By doing so, routine maintenance and servicing are less likely to be skipped, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC228USLC-3:

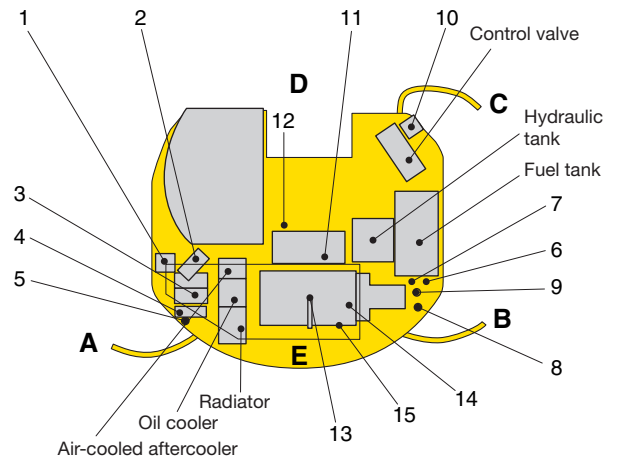
Optimum maintenance layout

Effortless access to engine-related maintenance items such as oil filter, oil dipstick, coolant reserve tank, fuel filter, and air cleaner.

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A. Left rear side cover
 1. Cooling water reserve tank
 2. Air cleaner
 3. Battery
 4. Tool box
 5. Grease gun holder</p> | <p>C. Right front side cover
 10. Windshield washer tank

 D. Central partition
 11. Oil level check pipe for machinery
 12. Oil filler for machinery</p> |
| <p>B. Right rear side cover
 6. Fuel pre-filter
 7. Engine oil filter*
 8. Oil filler for PTO*
 9. Fuel drain valve*</p> | <p>E. Opening/Closing of engine hood
 13. Engine oil check pipe
 14. Engine oil filler
 15. Fuel filter</p> |

*Remote maintenance items



Side-by-side cooling

Since the radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them.



Water separator

This is standard equipment which removes any water that has become mixed with the fuel, preventing fuel system damage.

Washable floor

The PC228USLC-3's floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.



AVAILABLE OPTIONS



Blade



Blade preparation



600 mm road-liner (rubber) shoes



Two-piece boom



Hinged front window guard



Komatsu buckets



BUCKET OPTIONS & DIGGING FORCES

MAX. BUCKET CAPACITY AND WEIGHT				
Arm length	MONO BOOM			
	2,4 m		2,9 m	
Material weight up to 1,2 t/m ³	1,39 m ³	1.000 kg	1,37 m ³	1.000 kg
Material weight up to 1,5 t/m ³	1,18 m ³	900 kg	1,26 m ³	950 kg
Material weight up to 1,8 t/m ³	1,03 m ³	825 kg	1,10 m ³	875 kg
Arm length	TWO-PIECE BOOM			
	2,4 m		2,9 m	
Material weight up to 1,2 t/m ³	1,36 m ³	1.000 kg	1,26 m ³	950 kg
Material weight up to 1,5 t/m ³	1,15 m ³	900 kg	1,07 m ³	850 kg
Material weight up to 1,8 t/m ³	1,00 m ³	825 kg	0,92 m ³	775 kg

Max. capacity and weight have been calculated according to ISO 10567:2007.
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

BUCKET AND ARM FORCE (ISO)	
Arm length	2.925 mm
Bucket digging force at PowerMax	15.200 kgf / 149 kN
Arm crowd force at PowerMax	11.000 kgf / 108 kN

SPECIFICATIONS



ENGINE

ModelKomatsu SAA6D107E-1
 TypeCommon rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel

Engine power
 at rated engine speed2.000 rpm
 ISO 14396116 kW / 156 HP
 ISO 9249 (net engine power)110 kW / 148 HP

Bore x stroke107 x 124 mm
 Displacement6,69 ltr
 Battery2 x 12 V/110 Ah
 Alternator24 V/60 A
 Starter motor24 V/5,5 kW
 Air filter typeDouble element type with monitor panel dust indicator and auto dust evacuator
 CoolingSuction type cooling fan with radiator fly screen



HYDRAULIC SYSTEM

TypeHydraMind. Closed-centre system with load sensing and pressure compensation valves

Additional circuitsDepending on the specification up to 2 additional circuits can be installed

Main pump2 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits

Maximum pump flow2 x 219 ltr/min

Relief valve settings
 Implement355 bar
 Travel380 bar
 Swing285 bar
 Pilot circuit33 bar



ENVIRONMENT

Engine emissionsFully complies with EU Stage IIIA and EPA Tier III exhaust emission regulations

Noise levels
 LwA external102 dB(A) (2000/14/EC Stage II)
 LpA operator ear73 dB(A) (ISO 6396 dynamic test)



OPERATING WEIGHT (APPR.)

Operating weight, including 2.925 mm arm, 0,78 m³ bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.



SWING SYSTEM

TypeAxial piston motor driving through planetary double reduction gearbox

Swing lockElectrically actuated wet multi-disc brake integrated into swing motor

Swing speed0 - 12,4 rpm
 Swing torque68 kNm
 Max. pressure295 bar



DRIVES AND BRAKES

Steering control2 levers with pedals giving full independent control of each track

Drive methodHydrostatic

Travel operationAutomatic 3-speed selection

Gradeability70%, 35°

Max. travel speeds
 Lo / Mi / Hi3,0 / 4,1 / 5,5 km/h

Maximum drawbar pull20.600 kg / 202 kN

Brake systemHydraulically operated discs in each travel motor



UNDERCARRIAGE

ConstructionX-frame centre section with box section track frames

Track assembly
 TypeFully sealed
 Shoes (each side)49
 TensionCombined spring and hydraulic unit

Rollers
 Track rollers (each side)9
 Carrier rollers (each side)2



COOLANT AND LUBRICANT CAPACITY (REFILLING)

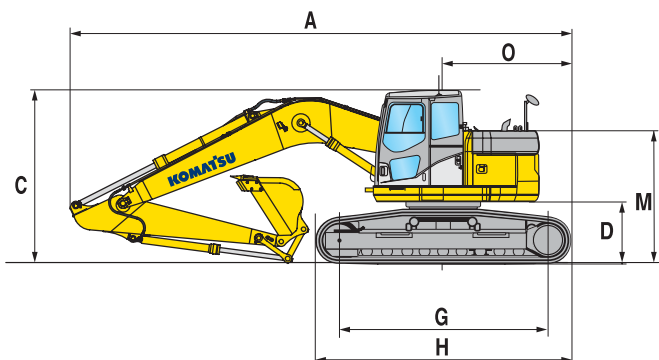
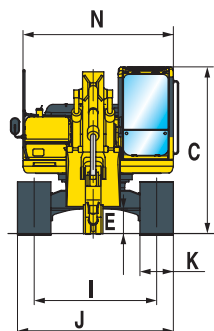
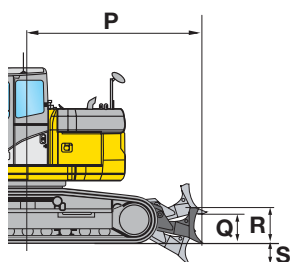
Fuel tank320 ltr
 Radiator21 ltr
 Engine oil23,1 ltr
 Swing drive7,1 ltr
 Hydraulic tank126 ltr
 Final drive (each side)5,2 ltr

PC228USLC-3	MONO BOOM		TWO-PIECE BOOM	
	Operating weight	Ground pressure	Operating weight	Ground pressure
Triple grouser shoes				
600 mm	22.605 kg	0,47 kg/cm ²	23.600 kg	0,49 kg/cm ²
700 mm	22.900 kg	0,41 kg/cm ²	23.850 kg	0,43 kg/cm ²
800 mm	23.180 kg	0,37 kg/cm ²	-	-

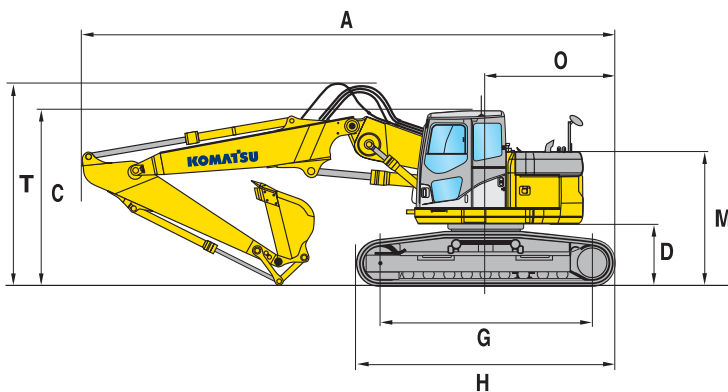
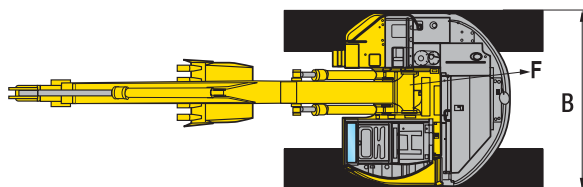
Additional weight with blade: + 2.000 kg
 Additional weight with 600 mm road-liner: + 400 kg

MACHINE DIMENSIONS

MONO BOOM



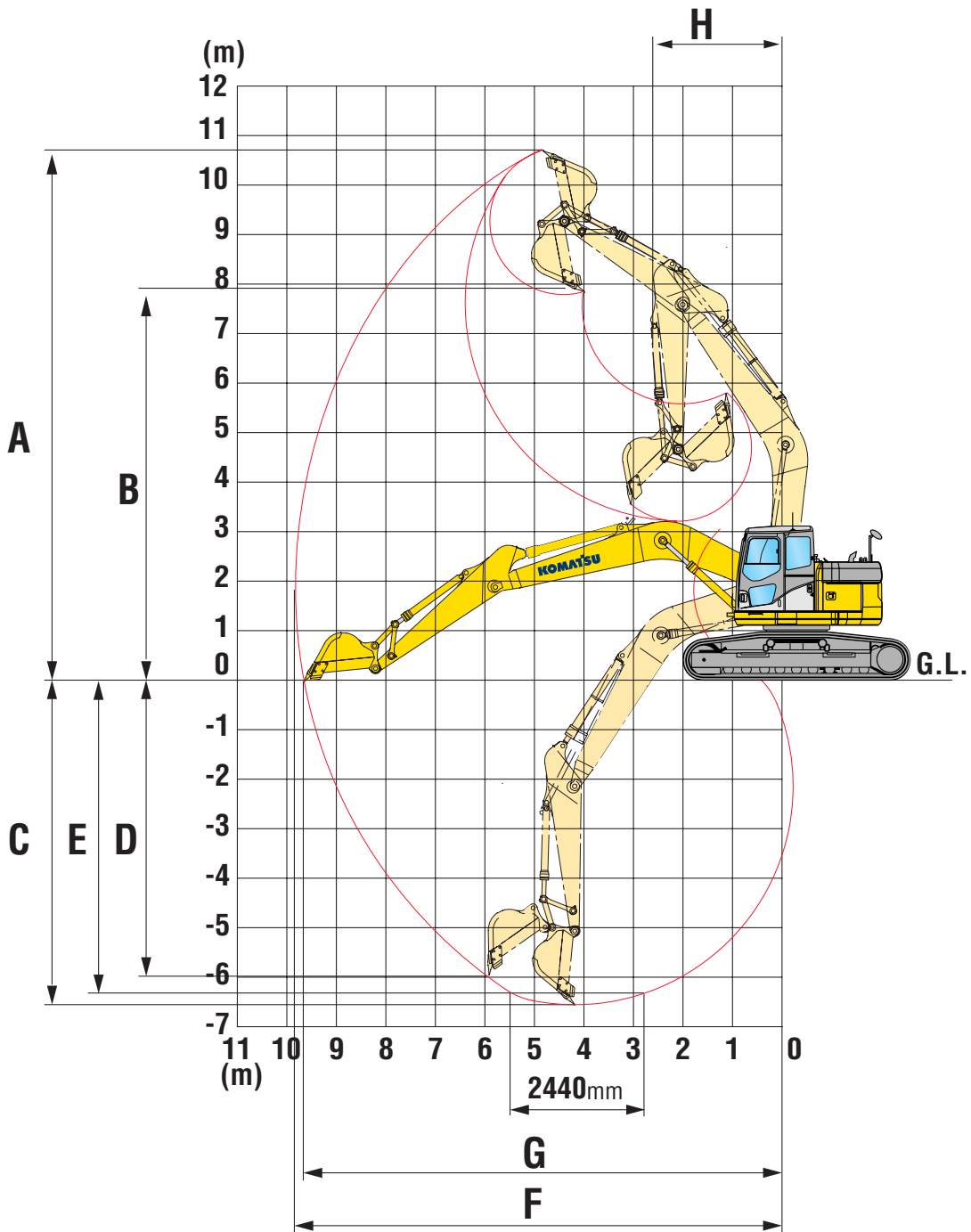
TWO-PIECE BOOM



ARM LENGTH		MONO BOOM	TWO-PIECE BOOM
	Arm	2.925 mm	2.925 mm
A	Overall length	8.890 mm	9.285 mm
B	Overall width	3.080 mm	3.080 mm
C	Overall height (to top of cab)	3.010 mm	3.010 mm
D	Ground clearance, counterweight	1.060 mm	1.060 mm
E	Minimum ground clearance	440 mm	440 mm
F	Tail swing radius	1.680 mm	1.680 mm
G	Tumbler centre distance	3.640 mm	3.640 mm
H	Track length	4.450 mm	4.450 mm
I	Track gauge	2.380 mm	2.380 mm
J	Width of crawler	3.080 mm	3.080 mm
K	Shoe width	700 mm	700 mm
L	Grouser height	26 mm	26 mm
M	Machine cab height	2.285 mm	2.285 mm
N	Upper structure width	2.980 mm	2.980 mm
O	Distance, swing center to rear end	1.680 mm	1.680 mm
P	Distance, swing center to blade	2.840 mm	2.840 mm
Q	Blade, max. lifting height	835 mm	835 mm
R	Height of blade	745 mm	745 mm
S	Blade, max. digging depth	390 mm	390 mm
T	Overall height (to top of hose)	-	3.480 mm
	Blade width	2.985 mm	2.985 mm

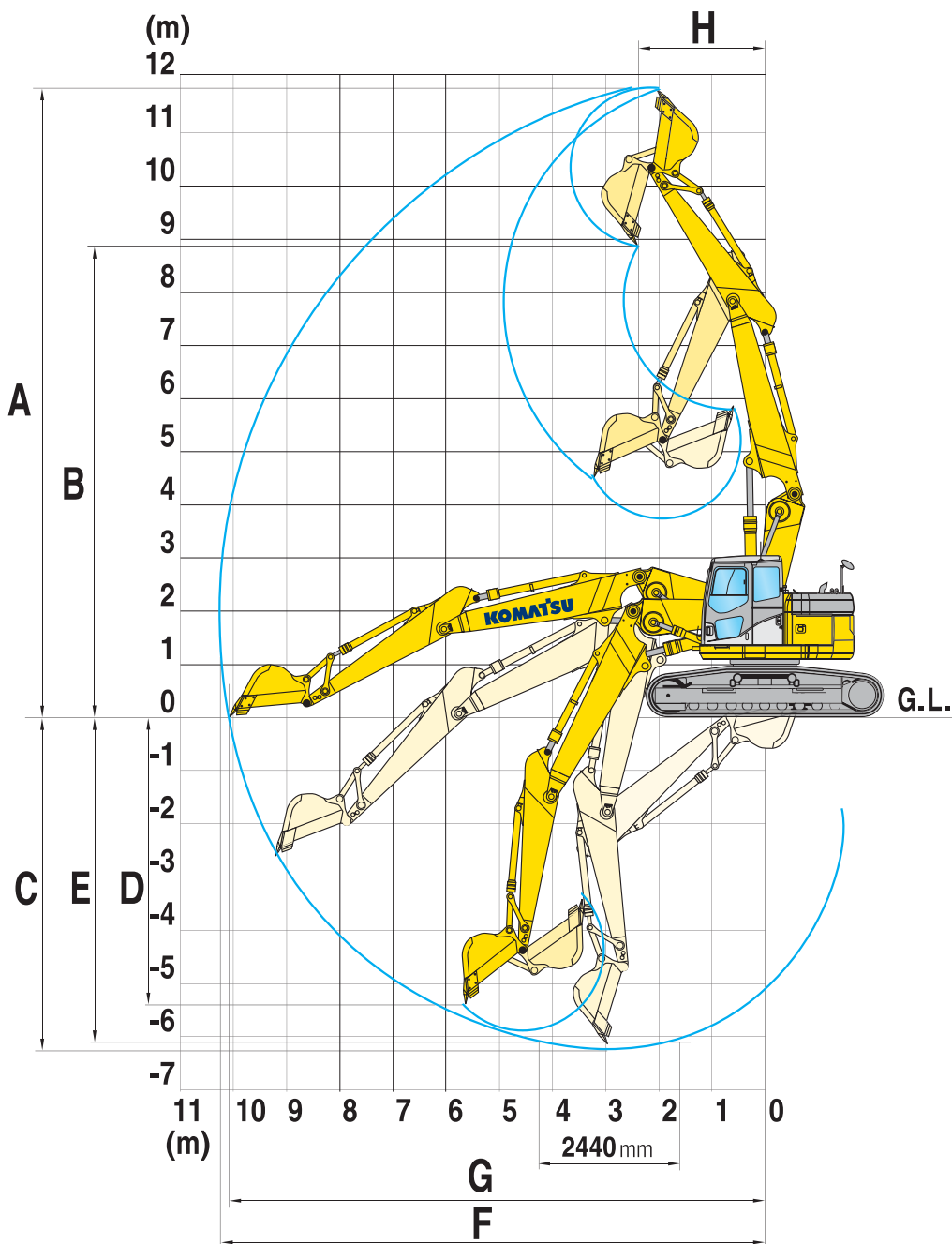
WORKING RANGE

MONO BOOM



ARM LENGTH		2.925 mm
A	Max. digging height	10.700 mm
B	Max. dumping height	7.825 mm
C	Max. digging depth	6.620 mm
D	Max. vertical wall digging depth	5.980 mm
E	Max. digging depth of cut for 2,44 m level	6.370 mm
F	Max. digging reach	9.875 mm
G	Max. digging reach at ground level	9.700 mm
H	Min. swing radius	2.310 mm

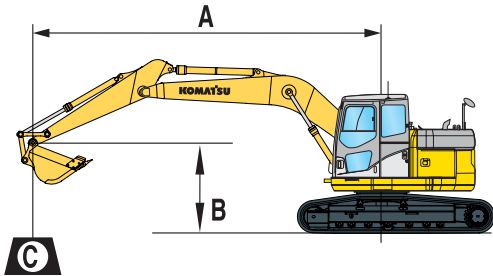
TWO-PIECE BOOM



ARM LENGTH		2.925 m
A	Max. digging height	11.790 m
B	Max. dumping height	8.830 m
C	Max. digging depth	6.225 m
D	Max. vertical wall digging depth	5.350 m
E	Max. digging depth of cut for 2,44 m level	6.050 m
F	Max. digging reach	10.270 m
G	Max. digging reach at ground level	10.095 m
H	Min. swing radius	2.370 m




LIFTING CAPACITY














MONO BOOM

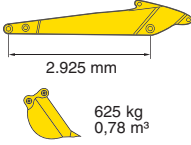


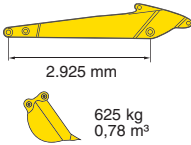
- A – Reach from swing centre
- B – Bucket hook height
- C – Lifting capacities, including bucket linkage (200 kg) and bucket cylinder (140 kg)

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

-  – Rating over front
-  – Rating over side
-  – Rating at maximum reach

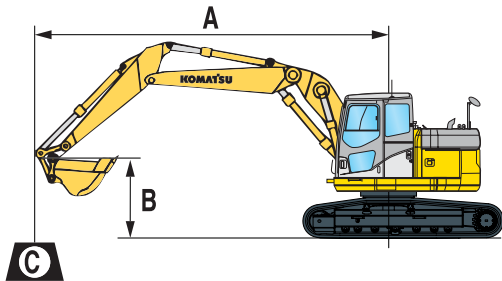
Arm length	A			7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
													

PC228USLC-3  700 mm shoes	6,0 m	kg	*2.700	*2.700	3.250	2.950	*3.950	*3.950						
	4,5 m	kg	*2.750	2.400	*4.500	2.900	*4.650	4.300	*5.000	*5.000				
	3,0 m	kg	*2.900	2.150	4.850	2.800	*5.650	4.150	*7.100	6.500	*11.050	*11.050		
	1,5 m	kg	*3.150	2.050	4.750	2.700	*6.750	3.900	*9.200	6.050	*6.850	*6.850		
	0 m	kg	*3.650	2.100	4.600	2.600	6.600	3.700	10.600	5.700	*7.650	*7.650		
	-1,5 m	kg	4.100	2.300	4.550	2.550	6.500	3.600	10.450	5.600	*10.800	*10.800	*6.700	*6.700
	-3,0 m	kg	4.900	2.750			6.500	3.600	10.450	5.600	*15.550	11.200	*10.300	*10.300
	-4,5 m	kg	6.800	3.850					*9.950	5.800	*14.500	11.550		

PC228USLC-3  600 mm shoes	6,0 m	kg	*2.700	*2.700	*3.250	2.900	*3.950	*3.950						
	4,5 m	kg	*2.750	2.300	*4.500	2.850	*4.650	4.250	*5.000	*5.000				
	3,0 m	kg	*2.900	2.100	4.750	2.750	*5.650	4.050	*7.100	6.450	*11.050	*11.050		
	1,5 m	kg	*3.150	2.000	4.650	2.650	6.650	3.800	*9.200	5.900	*6.850	*6.850		
	0 m	kg	*3.650	2.050	4.550	2.550	6.450	3.600	10.450	5.600	*7.650	*7.650		
	-1,5 m	kg	4.050	2.250	4.500	2.500	6.350	3.500	10.300	5.450	*10.800	10.750	*6.700	*6.700
	-3,0 m	kg	4.800	2.700			6.350	3.500	10.300	5.500	*15.550	10.950	*10.300	*10.300
	-4,5 m	kg	6.700	3.750					*9.950	5.650	*14.500	11.300		

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard No. J1097.
 Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

TWO-PIECE BOOM







- A** – Reach from swing centre
- B** – Bucket hook height
- C** – Lifting capacities, including bucket linkage (200 kg) and bucket cylinder (140 kg)

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

- Rating over front
- Rating over side
- Rating at maximum reach

Arm length	A			7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	

PC228USLC-3	Arm length	Unit	7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
 <p>2.925 mm</p>  <p>625 kg 0,78 m³</p> <p>700 mm shoes</p>	6,0 m	kg	*2.900	2.500	*4.200	2.900	*4.250	4.250	*4.400	*4.400		
	4,5 m	kg	*2.850	2.100	*4.450	2.850	*4.850	4.300	*5.660	*5.650	*7.200	*7.200
	3,0 m	kg	*2.950	1.900	4.750	2.700	*5.750	4.050	*7.450	6.500		
	1,5 m	kg	*3.200	1.800	4.600	2.550	6.600	3.750	*9.250	5.850		
	0 m	kg	3.400	1.850	4.550	2.450	6.350	3.550	10.300	5.500	*6.450	*6.450
	-1,5 m	kg	3.700	2.000	4.400	2.400	6.250	3.450	10.150	5.350	*9.950	*9.950
	-3,0 m	kg			4.450	2.450	6.250	3.450	10.200	5.450		
	-4,5 m	kg										

PC228USLC-3	Arm length	Unit	7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
 <p>2.925 mm</p>  <p>625 kg 0,78 m³</p> <p>600 mm shoes</p>	6,0 m	kg	*2.900	2.450	*4.200	2.850	*4.250	*4.250	*4.400	*4.400		
	4,5 m	kg	*2.850	2.050	*4.450	2.800	*4.850	4.250	*5.650	*5.650	*7.200	*7.200
	3,0 m	kg	*2.950	1.850	4.650	2.650	*5.750	4.000	*7.450	6.400		
	1,5 m	kg	*3.200	1.750	4.500	2.550	6.500	3.700	*9.250	5.800		
	0 m	kg	3.350	1.800	4.400	2.400	6.250	3.450	10.150	5.400	*6.450	*6.450
	-1,5 m	kg	3.650	2.000	4.300	2.350	6.150	3.350	10.000	5.300	*9.950	*9.950
	-3,0 m	kg			4.350	2.400	6.200	3.400	10.050	5.350		
	-4,5 m	kg										

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard No. J1097.
 Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

HYDRAULIC EXCAVATOR

STANDARD EQUIPMENT

- Komatsu SAA6D107E-1, 116 kW turbocharged common rail direct injection diesel engine, EU Stage IIIA compliant
- Double element type air cleaner with dust indicator and auto dust evacuator
- Suction type cooling fan with radiator fly screen
- Automatic fuel line de-aeration
- Automatic engine warm-up system
- Engine overheat prevention system
- Fuel control dial
- Auto-deceleration function
- Engine key stop
- Alternator 24 V/60 A
- Batteries 2 × 12 V/110 Ah
- Starter motor 24 V/5,5 kW
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)
- Pump and engine mutual control (PEMC) system
- Multifunction colour monitor with equipment management monitoring system (EMMS)
- 4-working mode selection system; power mode, economy mode, breaker mode and lifting mode
- PowerMax function
- Counterweight 6.335 kg
- One additional 2-way full-flow service spool with attachment lines on boom and arm and pedal in cab (HCU A). For Mono boom only: Plus extra additional 2 way half flow service spool with piping until mono boomfoot and pedal in cab (HCU C preparation).
- Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes
- Adjustable PPC wrist control levers with 3 button controls for arm, boom, bucket and swing
- PPC control levers and pedals for steering and travel
- KOMTRAX™ Komatsu Tracking System
- Cab which includes: antenna, floor mat, intermittent wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield, sliding seat, tinted safety glass
- Suspension seat with lumbar support, height adjustable arm rests and retractable seat belt
- Automatic climate control system
- 12 Volt power supply
- Beverage holder and magazine rack
- Hot and cool box
- Radio
- Overload warning device
- Electric horn
- Audible travel alarm
- Track roller guards
- Track frame under-guards
- Quick-coupler piping
- Lockable fuel cap and covers
- Remote greasing for swing circle and pins
- Boom safety valves
- Large handrails, rear-view mirrors and counterweight mirror
- Toolkit and spare parts for first service
- Lights; 2 revolving frame lights and 1 boom light
- Engine ignition can be password secured on request
- Standard colour scheme and decals
- Parts book and operator manual
- 2.925 mm arm, HCU assembly includes piping for one additional function
- 600 mm triple grouser shoes
- LC undercarriage
- Mono boom

OPTIONAL EQUIPMENT

- Two-piece boom
- 2.410 mm arm, HCU assembly includes piping for one additional function
- 700 mm triple grouser shoes
- 800 mm triple grouser shoes
- 600 mm road-liner (rubber) shoes
- Arm safety valve
- Additional hydraulic circuits
- Full length track roller guards
- Dozer blade (with 600 mm shoes)
- Dozer blade preparation
- Front window guard (full)
- Additional working lamps, including 5 cab roof lights, r.h. boom lamp, counterweight rear lamp, beacon and harness for 2 lamps (not included) in boom foot area
- Komatsu buckets
- Komatsu quick couplers



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