

NET HORSEPOWER 66 kW 88 HP @ 2.200 rpm

**OPERATING WEIGHT** 

13.000 kg

BUCKET CAPACITY max. 0,8 m<sup>3</sup>

PC130-7

PC 130





PC130-7

# WALK-AROUND

The PC130-7 is a rugged, productive, all-European machine. Designed and expressly built for European markets, it delivers productivity, reliability and operator comforts in a robust, environmentally-friendly package. Komatsu's exclusive, on-board, HydrauMind system assists in all operations, providing enhanced machine performance that's always perfectly matched to the task.

## What's new on Dash 7:

- Higher stability
- · Low fuel consumption
- · Easier maintenance and serviceability
- · Improved operator comfort
- Lower noise
- · Meets EC Stage II emission regulations

#### High productivity and low fuel consumption

The powerful turbocharged and air-to-air aftercooled Komatsu SAA4D95LE-3 provides 66 kW/88 HP. Productivity has increased with greater output in the 'Active' mode, while fuel efficiency has been further improved.

#### **Flexibility**

The PC130-7 is standard equipped with an additional circuit to handle a wide variety of attachments.

#### **High stability**

Lateral stability and lifting capacity have been improved by increasing the track length on ground and the width of gauge, compared to the Dash 6 model.

#### **Excellent reliability and durability**

- · Reinforced work equipment
- Reliable major components designed and built by Komatsu
- · Exceptionally-reliable electronic devices



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#### Easy maintenance

- · Remote-mounted engine oil filter, for easy access
- · Standard-equipped water separator
- · Easier radiator cleaning due to new side-by-side oil cooler and radiator

#### SpaceCab™

The new PC130-7's cabin space has been increased by 14%, offering an exceptionally-roomy operating environment.

- Sealed and pressurised cab with standard climate control
- Low-noise design
- · Low-vibration design with cabin damper mounting
- OPG Level I (ISO) compliant cabin



# WORKING ENVIRONMENT

PC130-7's cab interior is spacious and provides a comfortable working environment...

## SpaceCab™

#### Comfortable cab

The new PC130-7 inner cab volume is 14% greater than the Dash 6, offering an exceptionally comfortable operating environment. The large cab enables the seat, with headrest, to be reclined to horizontal.

#### Pressurised cab

The standard-equipped climate control, air filter and a higher internal air pressure resist dust entry into the cab.

#### Low-noise design

Noise levels are substantially reduced; engine noise as well as swing and hydraulics operations noise.

# Cab damper mounting for low vibration levels

PC130-7 uses a new and improved viscous damping cab mount system that incorporates a longer stroke plus an added spring. The new cab damper mounting, combined with strengthened left and right-side decks, aids the reduction of vibrations to the operator's seat.



Outer air filter

Easy removal/installation of the air conditioner filter element, without tools facilitates easier cleaning.

### Riding comfort comparison

Cab damper mounting	~ \phi\dagger \dagger	
Multi-layer viscous mount	-44444444444444444444444444444444444444	_

Conditions:

- Travelling over obstacle one side track
- High-speed forward travel
- Floor vibration

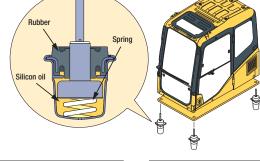
Vertical pitch oscillation on the graph shows the intensity of vibration



Roof hatch



12-Volt power supply





Climate control



Bottle holder and magazine rack

## Safety features

#### **Multi-position controls**

The multi-position, proportional pressure control levers allow the operator to work in comfort whilst 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.



Hot and cool box



3 button lever



Seat sliding range: 340 mm – increased by 120 mm over the Dash 6



Defroster/demister

#### Improved, wide visibility

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

Blind spots have been decreased by 34%.

#### Pump/engine room partition

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

#### Thermal and fan guards

Are placed around high-temperature parts of the engine. The fan belt and pulleys are well protected.

#### Steps with non-skid surface and large handrail

Steps with non-slip surfacing ensure safer maintenance.

Thermal guard



Non-slip sheet



Large handrail for safe access



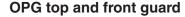
# PRODUCTIVITY FEATURES

#### **Engine**

The PC130-7 gets its exceptional power and work capacity from a Komatsu SAA4D95LE-3 engine. Its output is 66 kW/88 HP, providing increased hydraulic power and improved fuel efficiency.

# High production levels and low fuel consumption

The increased output and fuel savings of the Komatsu SAA4D95LE-3 engine result in increased productivity (tonnes per litre of fuel).



The optional bolt-on OPG (Operation Protection Guard) top guard and front guard are available for operations in jobsites where there is high possibility of falling rocks or debris. OPG level 2 for top and front guard according to ISO 10262.



**Blade (option)** 





#### Self-diagnostic monitor system

The PC130-7 features one of the most advanced diagnostic systems in the industry. Komatsu's exclusive system identifies maintenance items, reduces diagnostic time, and helps you maintain maximum production.

Working mode	Application	Advantage
A Active mode		Maximum production/power
		Fast cycle times
E Economy mode • Excellent fuel economy		Excellent fuel economy
		Optimum engine RPMs and hydraulic flow
		Hydraulic pressure has been increased by 7%



- A Engine water temperature
- **B** Battery charge
- **C** Engine oil pressure
- D Air cleaner clogging
- E Auto deceleration
- F Travel speed selector switch
- **G** Working mode selector switch
- H Fuel level
- I User or trouble code display
- J Service hours meter
- K Engine oil level
- L Pre-heat
- M Swing lock display
- N Oil maintenance
- 0 Window wiper
  - Window washer

# **Excellent reliability and durability**

#### 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'.

# Grease

Grease-sealed track provides excellent undercarriage durability

#### Sturdy frame structure

The revolving frame, centre frame and undercarriage have been designed using the most advanced three-dimensional Computer Aided Design (CAD) and Finite Elements Modelling (FEM) analysis technology.

#### Highly-reliable electronic devices

Exclusively-designed electronic devices are certified by severe testing.

- Controller
- Sensors
- Connectors
- · Heat-resistant wiring

# SDE GDE GL

Track link with strut
The PC130-7 uses track links with
struts, providing superb durability

#### Metal guard rings

These protect all hydraulic cylinders and improve reliability.

## Harmony with the environment

#### Low-emission engine

Komatsu SAA4D95LE-3 is EC Stage II compliant, with reduced NOx emissions, compared to the PC130-6.

#### **Economy (environment) mode**

'Economy' mode meets the needs of the 21st century. This mode offers the user fuel savings, quiet operation, and less CO<sub>2</sub> emissions.

#### Low noise

Noise has been reduced from the engine as well as from swing and hydraulic operations. The dynamic noise level is just 73 dB(A) at operator ear level (ISO 6369).

#### Easy end-of-life recycling

The PC130-7 is designed with the consideration of endof-life recycling, effectively reducing its environmental impact.

- · All exterior parts are made of steel.
- Extended engine oil, hydraulic oil and filter replacement intervals reduce environmental impact.
- All plastic parts are given a material code symbol.

# MAINTENANCE FEATURES

# **Easy maintenance**

Komatsu designed the PC130-7 to have easy service access. By doing this, routine maintenance and servicing are less likely to be skipped. This can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC130-7:

#### Side-by-side cooling

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



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

# Easy access to the engine oil filter

The engine oil filteris mounted remotely to improve accessibility.









# **S**PECIFICATIONS



#### FNGINE

Model	Komatsu SAA4D95LE-3
Туре	Direct injection, water-cooled, emissionised,
	turbocharged, after-cooled diesel
Rated capacity.	66 kW/88 HP (ISO 9249 Net)
at engine spe	ed2.200 rpm
No. of cylinders	4
Bore × stroke	95 × 115 mm
Displacement	3,26 ltr
Battery	2 × 12 V/65 Ah
Alternator	24 V/25 A
Starter motor	24 V/3,0 kW
Air filter type	Double element type with
	monitor panel dust indicator and auto dust evacuator



#### HYDRAULIC SYSTEM

Type HydrauMind. Closed-centre system with load sensing
and pressure compensation valves
Additional circuits1 additional circuit is standard
Main pumpvariable displacement piston pump
supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow
Relief valve settings
Implement
Travel
Swing
Pilot circuit
-



#### ENVIRONMENT

Engine emissions	Fully complies with EC Stage II
	exhaust emission regulations
Noise levels	
LwA external	100 dB(A) (2000/14/EC Stage 2)
LpA operator ear	. 73 dB(A) (ISO 6369 dynamic test)



#### SWING SYSTEM

Туре	Hydrostatic
Swing lock	Mechanical disc brake
Swing speed	0 - 11 rpm



#### DRIVES AND BRAKES

Steering control	2 levers with pedals giving
	full independent control of each track
Drive method	Hydrostatic
Travel operation	Automatic 2-speed selection
Gradeability	70%, 35°
Max. travel speeds	
Lo / Hi	2,7 / 5,5 km/h



#### UNDERCARRIAGE

Construction	X-frame centre section
	with box section track-frames
Track assembly	
Туре	Fully sealed
Shoes (each side)	43
Tension	Combined spring and hydraulic unit
Rollers	
Track rollers (each side)	7
Carrier rollers (each side)	1



## COOLANT AND LUBRICANT

Fuel tank	247 ltr
Radiator	13,4 ltr
Engine oil	11,0 ltr
Swing drive	
Hydraulic tank	
Final drive (cook side)	



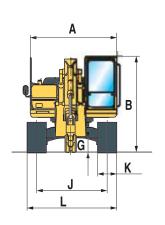
#### **OPERATING WEIGHT (APPR.)**

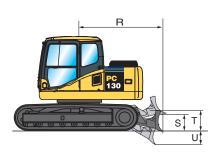
Operating weight, including 4.600 mm one-piece boom, 2,5 m arm, 470 kg bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

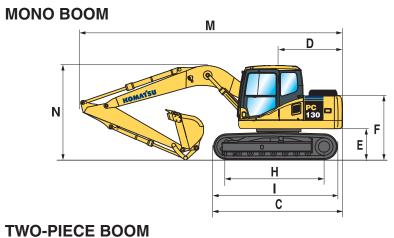
	MONO	BOOM	TWO-PIECE BOOM		
Triple grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure	
500 mm 12.600 kg		0,39 kg/cm <sup>2</sup>	0,39 kg/cm <sup>2</sup> 12.930 kg		
600 mm	12.780 kg	0,34 kg/cm <sup>2</sup>	13.110 kg	0,35 kg/cm <sup>2</sup>	
700 mm	12.960 kg	0,30 kg/cm <sup>2</sup>	13.290 kg	0,30 kg/cm <sup>2</sup>	

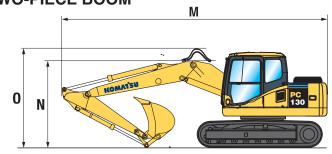
# MACHINE DIMENSIONS

MA	CHINE DIMENSIONS	PC130-7
Α	Overall width of upper structure	2.490 mm
В	Overall height of cab	2.810 mm
С	Overall length of basic machine	3.925 mm
D	Tail length	2.110 mm
	Tail swing radius	2.190 mm
Ε	Clearance under counterweight	855 mm
F	Machine tail height	1.885 mm
G	Ground clearance	400 mm
Н	Track length on ground	2.880 mm
1	Track length	3.610 mm
J	Track gauge	1.990 mm
K	Track shoe width	500, 600, 700 mm
L	Overall track width with 500 mm shoe	2.490 mm
	Overall track width with 600 mm shoe	2.590 mm
	Overall track width with 700 mm shoe	2.690 mm
R	Distance, swing center to blade	2.480 mm
S	Blade, max. lifting height	590 mm
Т	Height of blade	470 mm
U	Blade, max. digging depth	525 mm
	Blade width	2.510 mm









AR	M LENGTH	MONO BOOM TWO-PIECE BOOM			OM		
		2.100 mm	2.500 mm	3.000 mm	2.100 mm	2.500 mm	3.000 mm
М	Transport length	7.590 mm	7.595 mm	7.510 mm	7.790 mm	7.760 mm	7.630 mm
N	Overall height (to top of boom)	2.620 mm	2.175 mm	3.075 mm	2.530 mm	2.625 mm	3.100 mm
0	Overall height (to top of hose)	-	ı	_	2.885 mm	2.975 mm	3.225 mm



#### **BUCKET OPTIONS & DIGGING FORCES**

Specifications and equipment may vary according to regional availability

## PC130-7

BUCKET AND ARM	COMBINATION		PC130-7						
Width	Capacity SAE	Weight	2.100 mm	2.500 mm	3.000 mm				
500 mm	0,25 m³	325 kg	0	0	0				
600 mm	0,32 m³	350 kg	0	0	0				
700 mm	0,40 m³	390 kg	0	0	0				
800 mm	0,48 m³	440 kg	0	0	0				
900 mm	0,56 m³	475 kg	0	0					
1.000 mm	0,64 m³	505 kg	0						
1.100 mm	0,72 m³	560 kg		Δ	Δ				
1.200 mm	0,80 m³	620 kg	Δ	_	_				

Please consult with your distributor for the correct selection of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operating conditions.

- $\ \, \circ \ \, \text{Material weight up to 1,8 t/m}^{_{3}} \\$
- ☐ Material weight up to 1,5 t/m³
  ☐ Material weight up to 1,5 t/m³
  ☐ Material weight up to 1,2 t/m³
- Not usable

#### A full range of Komatsu wear parts is available.

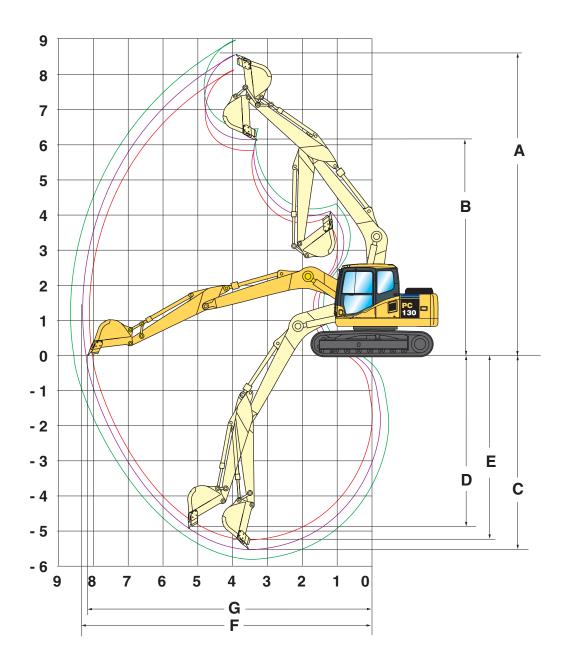
A wide range of attachments is available. Please consult your distributor for details of the full range.



BUCKET AND ARM FORCE			
Arm length	2.100 mm	2.500 mm	3.000 mm
Bucket digging force (ISO)	8.800 kgf	8.800 kgf	8.800 kgf
Bucket digging force at power max. (ISO)	9.500 kgf	9.500 kgf	9.500 kgf
Arm crowd force (ISO)	7.200 kgf	6.300 kgf	5.700 kgf
Arm crowd force at power max. (ISO)	7.900 kgf	6.900 kgf	6.200 kgf

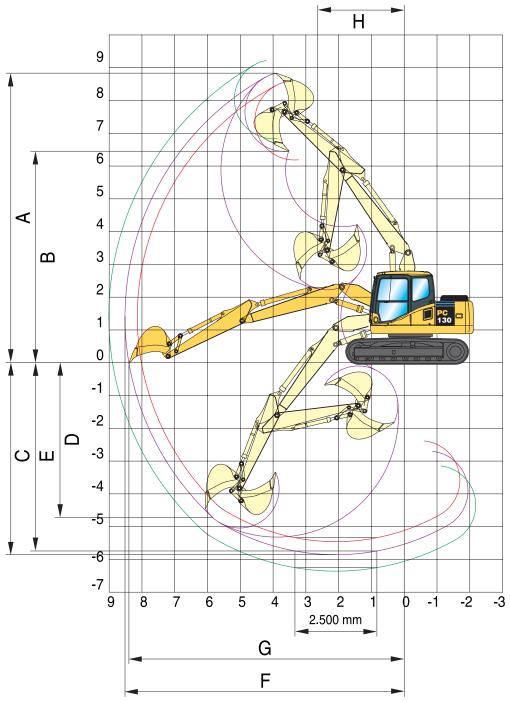
# Working Ranges

## **MONO BOOM**



AR	M LENGTH	2.100 m	2.500 mm	3.000 mm
Α	Max. digging height	8.345 mm	8.610 mm	8.970 mm
В	Max. dumping height	5.905 mm	6.170 mm	6.535 mm
С	Max. digging depth	5.115 mm	5.520 mm	6.015 mm
D	Max. vertical wall digging depth	4.520 mm	4.940 mm	5.360 mm
Е	Max. digging depth of cut for 2,44 m level	4.875 mm	5.315 mm	5.835 mm
F	Max. digging reach	7.925 mm	8.290 mm	8.785 mm
G	Max. digging reach at ground level	7.795 mm	8.170 mm	8.665 mm

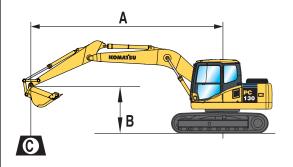
## **TWO-PIECE BOOM**



AR	M LENGTH	2.100 m	2.500 mm	3.000 mm
Α	Max. digging height	8.575 mm	8.835 mm	9.225 mm
В	Max. dumping height	6.190 mm	6.455 mm	6.835 mm
С	Max. digging depth	5.460 mm	5.855 mm	6.360 mm
D	Max. vertical wall digging depth	4.330 mm	4.720 mm	5.170 mm
Е	Max. digging depth of cut for 2,44 m level	5.340 mm	5.740 mm	6.250 mm
F	Max. digging reach	8.140 mm	8.515 mm	9.010 mm
G	Max. digging reach at ground level	8.015 mm	8.400 mm	8.900 mm
Н	Min. swing radius	2.595 mm	2.640 mm	2.835 mm

# LIFTING CAPACITY

## PC130-7 MONO BOOM



- A Reach from swing center
- B Bucket hook height
- C Lifting capacities, including bucket (469 kg), bucket linkage (120 kg) and bucket cylinder (83 kg)

- Rating over front

— − Rating over side

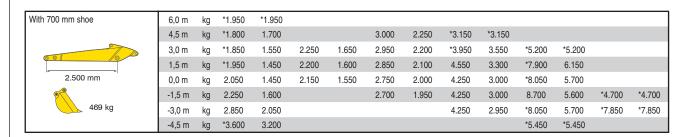
- Rating at maximum reach

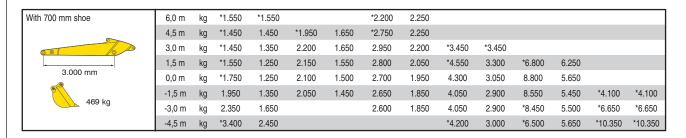
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 700 mm shoe

	А	•		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
Arm length	В	ď		Z	<b>□</b> >==	7	<b>□</b> >	7		Z		K	<b>□</b> ⇒□

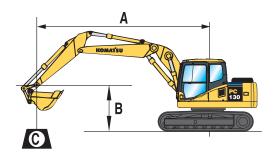
With 700 mm shoe	6,0 m	kg	*2.400	*2.400			*3.400	*3.400				
	4,5 m	kg	*2.250	2.000	2.950	2.200	*3.550	*3.550				
	3,0 m	kg	*2.250	1.700	2.950	2.150	*4.350	3.450	*6.000	*6.000		
	1,5 m	kg	2.200	1.550	2.850	2.050	4.550	3.250	*8.550	6.000		
2.100 mm	0,0 m	kg	2.250	1.600	2.750	2.000	4.250	3.050	*7.400	5.650		
	-1,5 m	kg	2.550	1.800	2.750	1.950	4.150	3.000	8.750	5.600	*4.750	*4.750
469 kg	-3,0 m	kg	3.300	2.350			4.300	3.000	*7.550	5.750	*8.800	*8.800
	-4,5 m	kg										





<sup>\*</sup> 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.

## PC130-7 TWO-PIECE BOOM



A - Reach from swing center

B - Bucket hook height

 Lifting capacities, including bucket (469 kg), bucket linkage (120 kg) and bucket cylinder (83 kg)

A - Rating over front

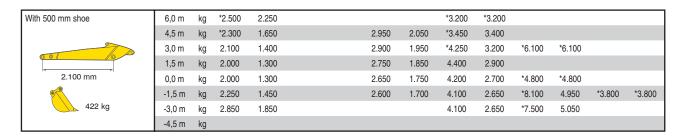
- Rating over side

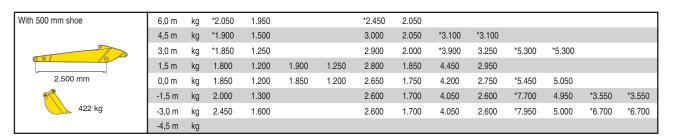
- Rating at maximum reach

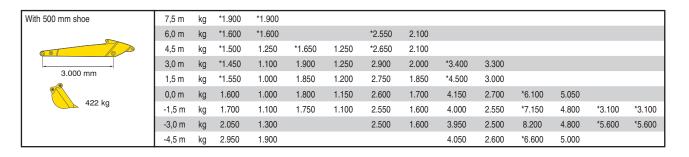
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

With 500 mm shoe

	A		A •		7,5 m		6,0 m		4,5 m		3,0 m		m
Arm length	В	7	□≔	7	□	7		7	<u>_</u> =	7	□	7	₽







<sup>\*</sup> 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 SAA4D95LE-3 66 kW direct injection emissionised Stage II intercooled turbocharged engine
- Double element type air cleaner with dust indicator and auto-dust evacuator
- · Automatic fuel line de-aeration
- Engine key stop
- Alternator 24 V/25 A
- Batteries 2 × 12 V/65 Ah
- Starter motor 24 V/3,0 kW
- Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)
- Pump and engine mutual control (PEMC) system
- · 4-working mode selection system; Active mode, economy mode, breaker mode and lifting mode

- · Standard counterweight
- PowerMax function
- Auto-deceleration function
- · Automatic engine warm-up system
- Engine overheat prevention system
- · Fuel control dial
- · PPC control levers and pedals for steering and travel
- · One additional service valve (full flow) with one additional attachment line
- · Hydrostatic, 2-speed travel system with automatic shift and planetary gear type final drives, and hydraulic lock service brakes
- SpaceCab™; Highly pressurised and tightly sealed viscous mounted cab with tinted safety glass windows, opening roof hatch with

- window pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, ashtray, luggage box, floor mat
- Parts book and operator manual
- · Lockable fuel cap and covers
- Fuel supply pump
- Track frame under-guards
- 12 Volt power supply
- · Overload warning device
- · Boom safety valves
- · Climate control/Air conditioning
- · Large handrails and rear-view mirrors
- Cigarette lighter
- Radio cassette preparation
- Beverage holder and magazine rack
- Electric horn

- · Hot and cool box
- Toolkit and spare parts for first service
- · Suspension seat with adjustable arm rests and retractable seat belt
- Standard colour scheme and decals
- 500 mm triple grouser track-shoes

#### PTIONAL **EQUIPMENT**

- 600 mm; 700 mm triple grouser track-shoes
- 500 mm road-liner track-shoes
- Mono boom
- Two-piece boom
- 2,1 m; 2,5 m; 3,0 m arms
- · Blade assembly
- OPG Level II top guard (FOPS)
- OPG Level II front guard (FOPS)
- · Radio cassette
- Service points
- · Beacon preparation
- · Additional cab roof lights
- Additional boom light
- · Rain visor (not with OPG)
- Komatsu buckets
- · Arm safety valve
- Customised paint
- Track roller guards Larger alternator
- High capacity batteries



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