

# KOMATSU

## PC950-11 PC950LC-11



Hydraulic excavator

**Engine power**

405 kW / 543 HP @ 1800 rpm

**Operating weight**

PC950-11: 94600 - 97700 kg

PC950LC-11: 96500 - 99800 kg

**Bucket capacity**

max. 6.5 m<sup>3</sup>

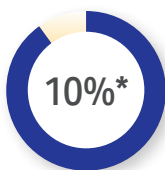
# PC950/LC-11



*Increased productivity*



*Increased fuel efficiency*



*Increased engine power*



Engine power

**405 kW / 543 HP @ 1800 rpm**

Operating weight

**PC950-11: 94600 - 97700 kg**

**PC950LC-11: 96500 - 99800 kg**

Bucket capacity

**max. 6.5 m<sup>3</sup>**

\* vs. PC800/LC-8

# Exceptional workability and significantly higher productivity

## Powerful and environmentally friendly

- EU Stage V engine
- Three selectable work modes for high productivity or fuel efficiency
- Adjustable idle shutdown
- Komatsu fuel-saving technology
- Larger cooling core for improved cooling performance

## Safety first

- Komatsu SpaceCab™
- KomVision surround view system
- Neutral position detection system
- New tie-offs
- Secondary engine shutdown switch
- LED light as standard equipment

## First-class comfort

- Fully air-suspended operator station
- Low-noise design
- Widescreen monitor with evolutionary interface

## Maximised efficiency

- Up to 10% less fuel consumption
- Built-in versatility and superior productivity
- Enhanced engine management
- Lower hydraulic pressure loss
- Independent hydraulic swing circuit
- Swing energy regeneration system

## Quality you can rely on

- Komatsu designed and manufactured components
- Reinforced work equipment, upper structure and track frame
- Extensive dealer support network

## Maintenance

- Wide walkways left and right
- Wide central maintenance walkway
- Electric grease gun
- Easier cleaning of the oil cooler, air-conditioner condenser, and fuel cooler
- Sealed engine cooling system
- New hydraulic system with clogging sensor for the hydraulic oil filter
- Long-life filters

## Komtrax

- Komatsu Wireless Monitoring System
- 4G mobile communications
- Integrated communication antenna
- Increased operational data and fuel savings



A maintenance program for Komatsu customers



### **Significantly improved productivity**

The PC950/LC-11 is quick and precise. The powerful Komatsu EU Stage V engine, the new P+ mode, independent swing circuit and large bucket capacity provide a 60% increase in productivity and 48% increase in fuel efficiency compared to the previous model.

### **Komatsu fuel-saving technology**

Fuel consumption on the PC950/LC-11 is lower by up to 10%. Engine management is enhanced. The variable speed matching of the engine and hydraulic pumps, combined with electronic spool control, guarantee efficiency and precision during single and combined movements. Energy is regenerated during swing breaking to assist the engine, minimising fuel consumption.

### **Adjustable idle shutdown**

The Komatsu auto idle shutdown automatically turns off the engine after it idles for a set period of time. This feature can easily be programmed from 5 to 60 minutes, to reduce unnecessary fuel consumption and exhaust emissions, and to lower operating costs. An Eco-gauge and the Eco guidance tips on the cab monitor further encourage efficient operations.

## Powerful and environmentally friendly

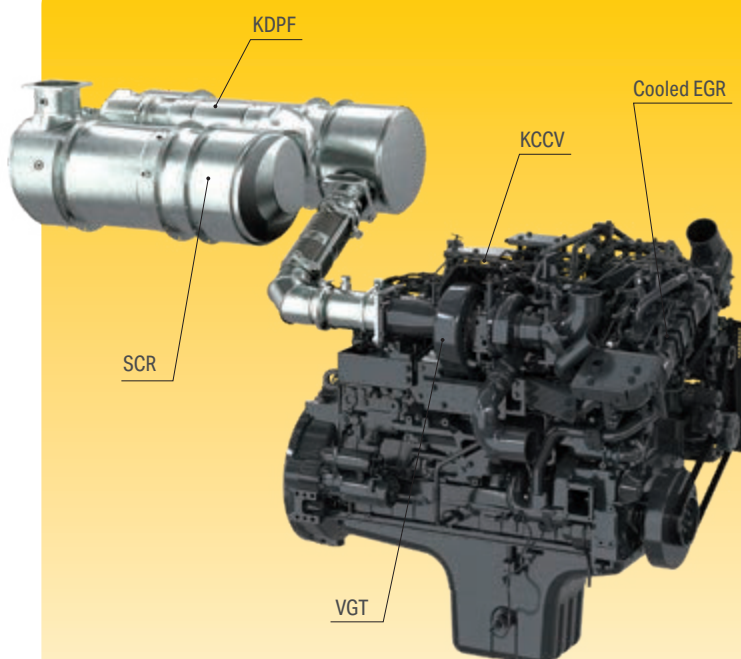
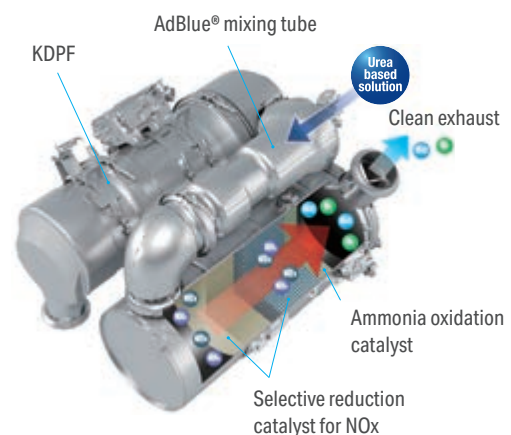
### Komatsu EU Stage V

The Komatsu EU Stage V engine is productive, dependable and efficient. With ultra-low emissions, it provides a lower environmental impact and a superior performance to help reduce operating costs and lets the operator work in complete peace of mind.



### Heavy-duty aftertreatment

The aftertreatment system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR injects the correct amount of AdBlue® into the system at the proper rate to break down NOx into water (H<sub>2</sub>O) and non-toxic nitrogen gas (N<sub>2</sub>). NOx emissions are reduced by 80% vs. EU Stage IIIB engines.



#### High-Pressure Common Rail (HPCR)

To achieve complete fuel burn and lower exhaust emissions, the heavy-duty High-Pressure Common Rail fuel injection system is computer controlled to deliver a precise quantity of pressurised fuel into the redesigned engine combustion chamber by multiple injections.

#### Exhaust Gas Recirculation (EGR)

Cooled EGR is a technology well-proven in current Komatsu engines. The increased capacity of the EGR cooler now ensures very low NOx emissions and a better engine performance.

#### Komatsu Closed Crankcase Ventilation (KCCV)

Crankcase emissions (blow-by gas) are passed through a CCV filter. The oil mist trapped in the filter is returned back to the crankcase while the filtered gas is returned to the air intake.

#### Variable Geometry Turbo (VGT)

The VGT provides optimal airflow to the engine combustion chamber under all speed and load conditions. Exhaust gas is cleaner, fuel economy is improved while machine power and performance are maintained.

## Powerful digging force

Thanks to the high engine output and an optimised hydraulic system, the PC950/LC-11 delivers a powerful bucket digging force of up to 502 kN and an arm crowd force of 385 kN.

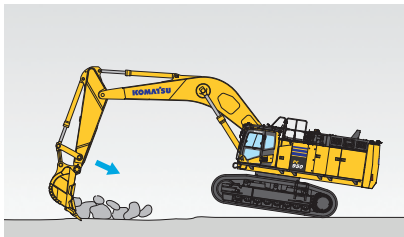
## 3 working modes

In addition to the conventional P mode and E mode, the newly added P+ mode allows the selection of three work modes with just one touch of the monitor switch.

## Shockless boom control

The boom circuit features a shockless system which automatically reduces the amount of shock when operating the boom. Providing smooth loading operations and reducing operator fatigue as well as minimising spillage loss when loading.

## Two-mode boom control



### Power mode

Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

## New hydraulic system

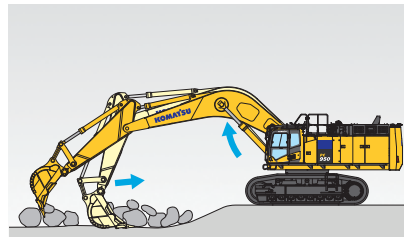
An electronically controlled closed-loop swing circuit system has been adopted. Independent control of the swing and work equipment circuits enables finely tuned loading operations, thus contributing to reduced fuel consumption and improved workability.

## Improved cooling performance

The layout of the cooling core has been optimized, and the core has been enlarged. The cooling performance has also been improved by adopting a new shroud shape.

## Swing priority mode

A twin swing motor system provides excellent swing performance, with high speed and strong braking power. The swing priority setting allows using the same smooth motion for either 180° or 90° loading operations. By altering the oil flow, the operator selects either boom or swing as the priority for increased production.



### Smooth mode

Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.





## First-class comfort

### Increased comfort

In the wide Komatsu SpaceCab™, a standard air-suspended high-back seat, heated for improved comfort and with fully adjustable armrests, is the centre of a comfortable and low-fatigue working environment. High visibility and ergonomic controls further assist to maximise the operator's productivity.

### Perfect operator convenience

In addition to the standard radio, the PC950/LC-11 has an auxiliary input as well as Bluetooth® for connecting external devices and play music through the cab speakers. Two 12-volt power ports and a USB port are also incorporated in the cab. Adjustable PPC wrist control levers for safe, precise operations.

### Low-noise design

Komatsu crawler excavators have very low external noise levels and are especially well-suited for work in confined spaces or urban areas. The optimal usage of sound insulation and of sound absorbing materials helps to make noise levels inside the cab comparable to those of an executive car.



Sliding window glass (left side)



USB port for charging



Armrest with simple height adjustment



## Safety first

### Optimal jobsite safety

Safety features on the Komatsu PC950/LC-11 comply with the latest industry standards and work in synergy to minimise risks to people in and around the machine. A neutral detection system for travel and work equipment levers increases jobsite safety, along with a seat belt caution indicator, an audible travel alarm and a secondary engine shutdown switch. Highly durable anti-slip plates maintain long term traction performance.



Full LED lighting is standard



Safety harness tie-off points



### Safe maintenance

Thermal guards around high temperature areas of the engine, protected fan belt and pulleys, a pump/engine partition that prevents hydraulic oil from spraying onto the engine, wide side and central walkways and exceptionally sturdy handrails: in Komatsu tradition, the highest safety level is provided for fast and smooth maintenance.



### Komatsu SpaceCab™

The cab has a tubular steel frame and provides high shock absorbency, impact resistance and durability. The seat belt is well designed to keep the operator in the safety zone of the cab in the event of a rollover. Laminated one piece front glass (ECE 43R), Operator Protective Guard (OPG) top guard and opening front guard are fitted as standard.



### KomVision

KomVision machine visibility gives the operator a constant clear view of the safety zone around the machine. This allows the operator to focus on the work at hand even in low light conditions. With KomVision, various camera view options are available whilst maintaining constant "bird's-eye view" from above the machine



## An evolutionary interface

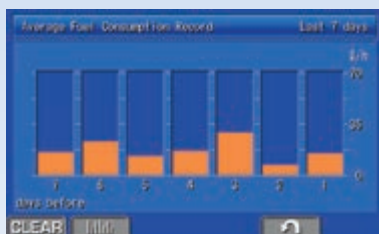
Helpful information is now easier than ever to find and understand with the upgraded monitor interface. An optimal main screen for the ongoing work can be selected simply by pressing the F3 key.

## Widescreen monitor

Conveniently customisable and with a choice of 26 languages, the widescreen monitor with simple switches and multifunction keys gives fingertip access to a large range of functions and operating info. The rear camera view and an AdBlue® level gauge are now incorporated into the default main screen.

## Lower operating costs

Komatsu ICT contributes to the reduction of operating costs by assisting to comfortably and efficiently manage operations. It raises the level of customer satisfaction and the competitive edge of our products.



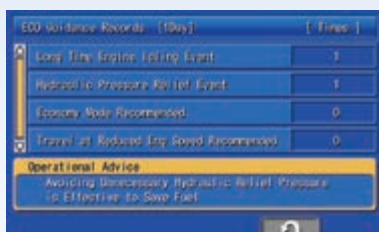
Fuel consumption history



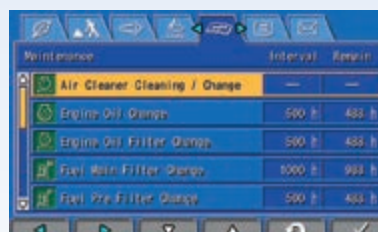
Eco-gauge, Eco guidance and fuel consumption gauge



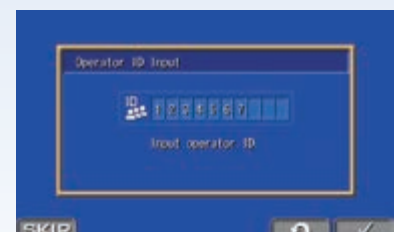
Quick view on the operation logs



ECO guidance record



Maintenance information



Operator identification function

## Information & communication technology



### Knowledge

You get quick answers to basic and critical questions about your machines – what they're doing, when they did it, where they're located, how they can be used more efficiently and when they need to be serviced. Performance data is relayed by wireless communication technology (satellite, GPRS or 4G depending on model) from the machine to a computer and to the local Komatsu distributor – who's readily available for expert analysis and feedback.

### Convenience

Komtrax enables convenient fleet management on the web, wherever you are. Data is analysed and packaged specifically for effortless and intuitive viewing in maps, lists, graphs and charts. You can foresee eventual maintenance issues and required spare parts, and troubleshoot a problem before Komatsu technicians arrive on site.



### The way to higher productivity

Komtrax uses the latest wireless monitoring technology. Compatible on PC, smartphone or tablet, it delivers insightful and cost saving information about your fleet and equipment, and offers a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows proactive and preventive maintenance and helps to efficiently run a business.

### Power

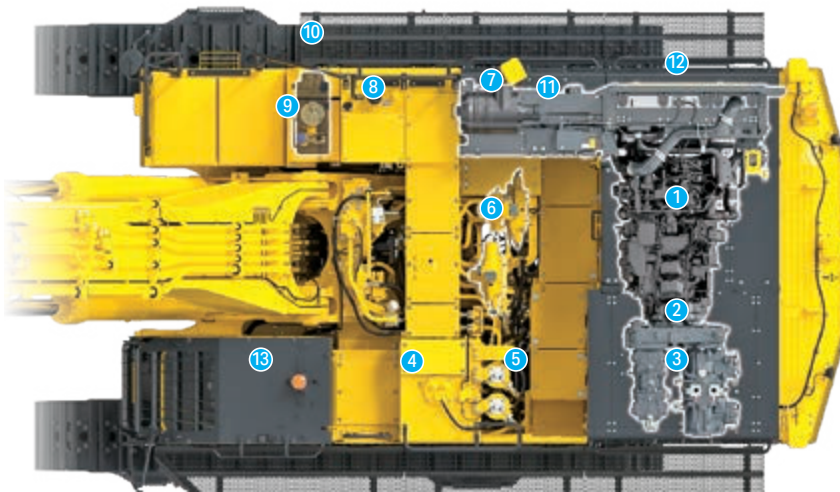
The detailed information that Komtrax puts at your fingertips 24 hours a day, 7 days a week gives the power to make better daily and long-term strategic decisions – at no extra cost. Problems can be anticipated, maintenance schedules customised, downtime minimised and machines kept where they belong: working on the jobsite.



## Easy maintenance

### Easy access

Maintenance points are centrally located, and side and central walkways are provided for easy access. The front engine door also opens wide for easy access to auxiliary equipment. A catwalk is provided as standard on the right side, enabling safe inspections of the cooling area.



- |                        |                 |
|------------------------|-----------------|
| 1 Engine               | 8 Fuel tank     |
| 2 PTO                  | 9 AdBlue® tank  |
| 3 Hydraulic pump       | 10 AdBlue® pump |
| 4 Hydraulic oil tank   | 11 Oil cooler   |
| 5 Hydraulic oil filter | 12 Radiator     |
| 6 Control valve        | 13 Cab          |
| 7 Air cleaner          |                 |

### Less maintenance

The high-performance battery eliminates the inconvenience of having to top up the battery fluid. Greasing is made easy with the electric grease gun and indicator. The hydraulic fan can be switched to "cleaning" mode so that it rotates in reverse at full speed to clean the radiators. The replacement interval of the hydraulic oil filter element is extended by 2.5 times to 2500 hrs.

### Central service points

Komatsu designed the PC950/LC-11 with centralised and conveniently located service points to make necessary inspections and maintenance quick and easy. The hinged air conditioning cooler and side-by-side radiator and oil cooler allow easy access for cleaning.



Wide central maintenance walkway



Right-hand walkway



Centralised arrangement of filters



The AdBlue® tank is installed on the front stairway. The included workbench makes refilling AdBlue® even easier.



### Cooling system

The hinged air-conditioner condenser and fuel cooler allow easy access to each core part for easy cleaning. The sealed engine cooling systems efficiency has been improved, it can operate maintenance-free until the cooling water is replaced.

### Komatsu Care

Komatsu Care is a maintenance program that comes as standard with your new Komatsu machine. It covers factory-scheduled maintenance, performed with Komatsu Genuine parts by Komatsu-trained technicians. Depending on your machine's engine, it also offers extended coverage of the Komatsu Diesel Particulate Filter (KDPF) and of the Selective Catalytic Reduction (SCR). Please contact your local Komatsu distributor for terms and conditions.

### Flexible warranty

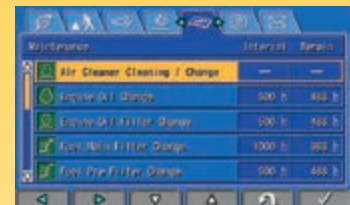
When you purchase Komatsu equipment, you gain access to a broad range of programmes and services that have been designed to help you get the most from your investment. For example, Komatsu's Flexible Warranty Programme provides a range of extended warranty options on the machine and its components. These can be chosen to meet your individual needs and activities. This programme is designed to help reduce total operating costs.

### Maintenance information display

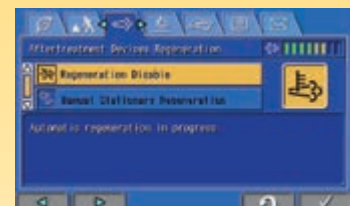
The multifunction monitor panel provides the operator with maintenance and service information such as when oil filters need replacing or abnormalities occur.



Maintenance time caution lamp display



Basic maintenance screen



Aftertreatment device regeneration screen for the KDPF



AdBlue® level and refill guidance

## Quality you can rely on

### Rugged Komatsu design

Maximum toughness and durability are the cornerstones of Komatsu's philosophy – along with safety and top class customer service. All major components of the PC950/LC-11 are designed and directly manufactured by Komatsu, and essential machine functions are perfectly matched for a highly reliable and productive excavator.

### Extensive support network

The extensive Komatsu distribution and dealer network is standing by to help keep your fleet in optimum condition. Customised servicing packages are available, with express availability of spare parts, to make sure that your Komatsu equipment continues to perform at its peak.

### Filtration system

The PC950/LC-11 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failure caused by contamination.



The undercarriage is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock.

### Strengthened boom and arm

Thanks to the large cross-sectional structure made with high tensile strength steel and a thick plate and partition wall, the boom and arm provide excellent durability and are highly resistant to bending and twisting. Highly durable rubbing strips on the underside of the arm protect the structure against impact damage.

### Reliable electric system

The reinforced electrical wiring harnesses are covered with a heat-resistant material that improves mechanical strength, provides longer life, and protects the system from damage. A circuit breaker is installed in important electric circuits to quickly restore them if a problem occurs in the electrical system.



Return oil filter clog detection function recommends filter exchange and prevents catastrophic damage of hydraulic system.





# Specifications

## Engine

Model	Komatsu SAA6D140E-7
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	1800 rpm
ISO 14396	405 kW / 543 HP
ISO 9249 (net engine power)	401 kW / 538 HP
No. of cylinders	6
Bore × stroke	140 × 165 mm
Displacement	15.24 l
Air filter type	Double element type with cyclone pre-cleaner, monitor panel dust indicator and auto dust evacuator
Cooling	Suction type cooling fan with radiator fly screen
Fan drive type	Hydraulic, reversible
Fuel	Diesel fuel, conforming to EN 590 Class 2/Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016

## Hydraulic system

Type	Open-center load-sensing system
Main pump	3 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow	1206 l/min
Swing machinery pump	674 l/min
Relief valve settings	
Implement	350 kg/cm <sup>2</sup>
Travel	350 kg/cm <sup>2</sup>
Swing	275 kg/cm <sup>2</sup>
Pilot circuit	30 kg/cm <sup>2</sup>
Hydraulic cylinders (number of cylinders – bore x stroke x rod diameter)	
7.1 m boom	2 – 210 mm × 2083 mm × 150 mm
2.9 m arm	2 – 185 mm × 1671 mm × 120 mm
Bucket	1 – 225 mm × 1658 mm × 160 mm
8.4 m boom	2 – 210 mm × 2083 mm × 150 mm
3.7 m arm	2 – 170 mm × 1936 mm × 120 mm
Bucket	1 – 185 mm × 1893 mm × 130 mm

## Service refill capacities

Fuel tank	1045 l
Radiator	92.5 l
Engine oil	53.0 l
Swing drive	24 × 2 l
Hydraulic tank	540 l
Final drive (each side)	22.0 l
AdBlue® tank	62.2 l

## Swing system

Type	2 hydraulic motors
Swing lock	Oil disc brake
Swing speed	6.8 rpm
Swing torque	322 kN
Swing circle lubrication	Grease-bathed
Swing reduction	Planetary gear

## 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 / 4.0 km/h
Max. drawbar pull	670 kN (68300 kg)
Brake system	Hydraulic lock

## Undercarriage

Construction	H-leg frame centre section with box section track frames
Track assembly	
Type	Fully sealed
Shoes (each side)	48 (PC950-11), 52 (PC950LC-11)
Tension	Hydraulic
Rollers	
Track rollers (each side)	8 (PC950-11), 9 (PC950LC-11)
Carrier rollers (each side)	3

## Environment

Engine emissions	Fully complies with EU Stage V and EPA Tier 4 final exhaust emission regulations
Noise levels	
LwA external	109 dB(A) (2000/14/EC Stage II)
LpA operator ear	73 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	≤ 2.5 m/s <sup>2</sup> (uncertainty K = 0.11 m/s <sup>2</sup> )
Body	≤ 0.5 m/s <sup>2</sup> (uncertainty K = 0.26 m/s <sup>2</sup> )
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 1.3 kg, CO <sub>2</sub> equivalent 1.86 t	



## PC950-11 / Operating weight (appr.)

	2.9 m arm / 7.1 m boom / 5.8 m <sup>3</sup> bucket (5930 kg)		3.7 m arm / 8.4 m boom / 4.0 m <sup>3</sup> bucket (4590 kg)	
Double grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure
650 mm	95900 kg	1.46 kg/cm <sup>2</sup>	94600 kg	1.44 kg/cm <sup>2</sup>
750 mm	96600 kg	1.27 kg/cm <sup>2</sup>	95300 kg	1.23 kg/cm <sup>2</sup>
900 mm	97700 kg	1.07 kg/cm <sup>2</sup>	96400 kg	1.06 kg/cm <sup>2</sup>

Operating weight, including boom, arm, bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

## PC950LC-11 / Operating weight (appr.)

	2.9 m arm / 7.1 m boom / 5.8 m <sup>3</sup> bucket (5930 kg)		3.7 m arm / 8.4 m boom / 4.0 m <sup>3</sup> bucket (4590 kg)	
Double grouser shoes	Operating weight	Ground pressure	Operating weight	Ground pressure
650 mm	97800 kg	1.35 kg/cm <sup>2</sup>	96500 kg	1.13 kg/cm <sup>2</sup>
750 mm	98600 kg	1.17 kg/cm <sup>2</sup>	97300 kg	1.16 kg/cm <sup>2</sup>
900 mm	99800 kg	0.99 kg/cm <sup>2</sup>	98500 kg	0.98 kg/cm <sup>2</sup>

Operating weight, including boom, arm, bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

## Max. bucket capacity and weight

	PC950-11		PC950LC-11	
Arm / boom length	2.9 m / 7.1 m	3.7 m / 8.4 m	2.9 m / 7.1 m	3.7 m / 8.4 m
Material weight up to 1.4 t/m <sup>3</sup>	7.2 m <sup>3</sup> 5820 kg	4.8 m <sup>3</sup> 4180 kg	7.2 m <sup>3</sup> 5820 kg	4.8 m <sup>3</sup> 4180 kg
Material weight up to 1.6 t/m <sup>3</sup>	6.5 m <sup>3</sup> 5500 kg	4.4 m <sup>3</sup> 3860 kg	6.5 m <sup>3</sup> 5500 kg	4.4 m <sup>3</sup> 3860 kg
Material weight up to 1.8 t/m <sup>3</sup>	5.8 m <sup>3</sup> 5460 kg	4.0 m <sup>3</sup> 3700 kg	5.8 m <sup>3</sup> 5460 kg	4.0 m <sup>3</sup> 3700 kg
Material weight up to 1.8 t/m <sup>3</sup>			6.5 m <sup>3</sup> *	5370 kg

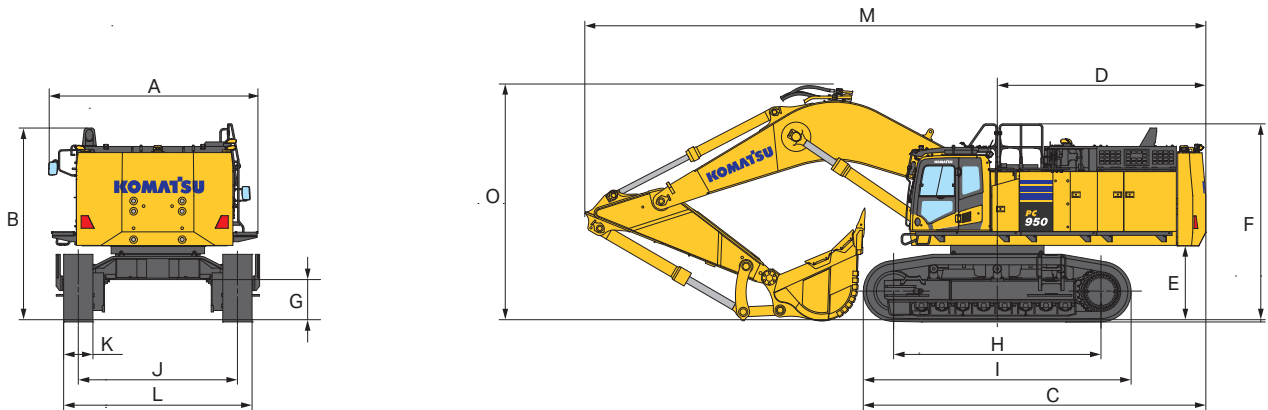
\* 90% fill factor

## PC950/LC-11 / Bucket & arm force (ISO)

Arm length	2.9 m	3.7 m
Arm breakout force	385 kN	310 kN
Bucket breakout force	502 kN	403 kN

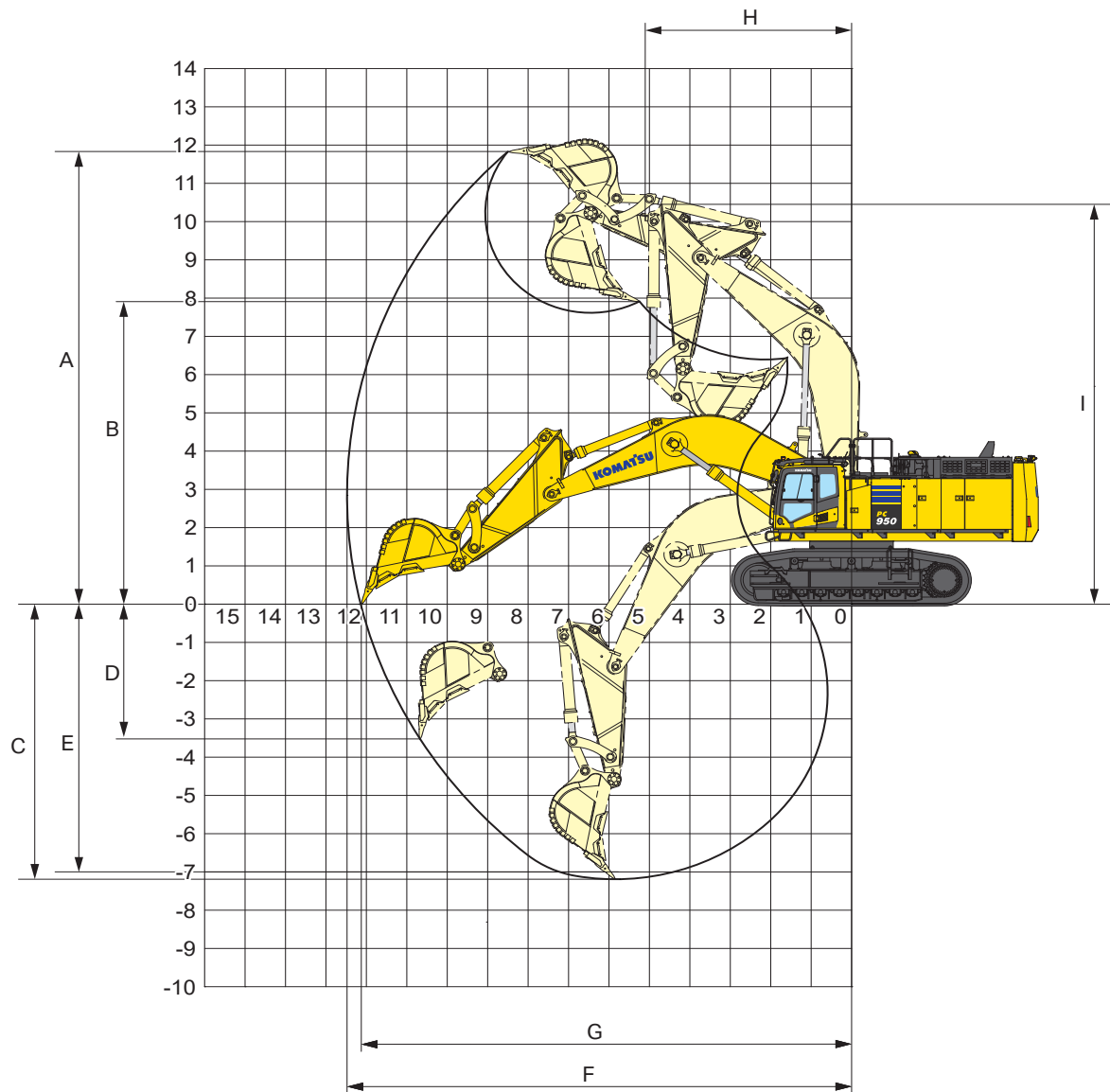
## Dimensions and performance figures

Machine dimensions	PC950-11	PC950LC-11
A Overall width of upper structure (including walkway and mirrors)	4680 mm	4680 mm
B Overall height to exhaust pipe	4225 mm	4225 mm
Overall height to top of engine compartment	3930 mm	3930 mm
C Overall length of basic machine	7595 mm	7855 mm
D Tail length	4625 mm	4625 mm
Tail swing radius	4690 mm	4690 mm
E Clearance under counterweight	1640 mm	1640 mm
F Machine tail height (top of hand rails)	4345 mm	4345 mm
G Ground clearance	890 mm	890 mm
H Tumbler centre distance	4600 mm	5120 mm
I Track length	5940 mm	6460 mm
J Track gauge	3530 mm	3530 mm
K Track shoe width	650, 750, 900 mm	650, 750, 900 mm
L Overall track width with 650 mm shoes	4180 mm	4180 mm
Overall track width with 750 mm shoes	4280 mm	4280 mm
Overall track width with 900 mm shoes	4430 mm	4430 mm



Transport dimensions	7.1 m boom	8.4 m boom
Arm length	2.9 m arm	3.7 m arm
M Transport length	13760 mm	14740 mm
O Overall height (to top of boom)	5170 mm	5280 mm

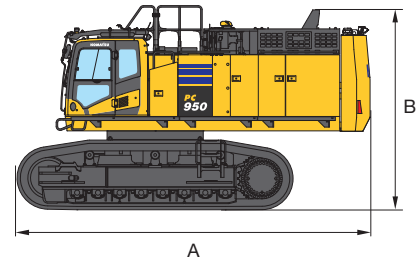
## Working range



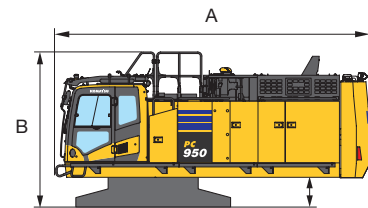
Working range	7.1 m boom	8.4 m boom
Arm length	2.9 m arm	3.7 m arm
A Max. digging height	11825 mm	13445 mm
B Max. dumping height	7615 mm	9185 mm
C Max. digging depth	7190 mm	8995 mm
D Max. vertical wall digging depth	3530 mm	6960 mm
E Max. digging depth of cut for 2.44 m level	12140 mm	14195 mm
F Max. digging reach	12480 mm	14485 mm
G Max. digging reach at ground level	12140 mm	14195 mm
H Min. swing radius	5145 mm	6105 mm
I Min. swing radius height	10475 mm	11085 mm

## Transport dimensions

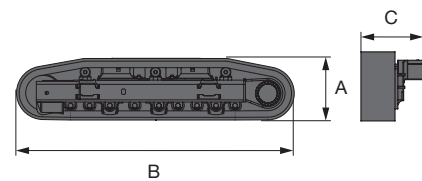
Upper structure + undercarriage	PC950-11	PC950LC-11
Transport width with 650 mm shoes	4000 mm	
Transport width with 750 mm shoes	4100 mm	
Transport width with 900 mm shoes	4250 mm	
A Length	7495 mm	7755 mm
B Height	3930 mm	
Weight with full length roller guard + 650 mm shoes	58000 kg	60100 kg
Weight with full length roller guard + 750 mm shoes	58700 kg	60900 kg
Weight with full length roller guard + 900 mm shoes	59800 kg	62000 kg



Upper structure	PC950/LC-11
A Length	3475 mm
B Height	3370 mm
Overall width	3475 mm
Weight	32000 kg



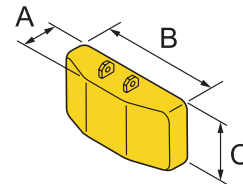
Undercarriage	PC950-11	PC950LC-11
Quantity	2	
A Height	1500 mm	
B Length	5940 mm	6460 mm
C Width	1210 mm	
Weight with 650 mm shoes	25300 kg	27100 kg
Weight with 750 mm shoes	26000 kg	27900 kg
Weight with 900 mm shoes	27100 kg	29000 kg
Crawler assembly with full length track guard	+700 kg	+900 kg



## Counterweight

## Transportation rig

A	Width	660 mm	1800 mm
B	Length	3470 mm	3470 mm
C	Height	2190 mm	2360 mm
	Weight	13200 kg	13500 kg

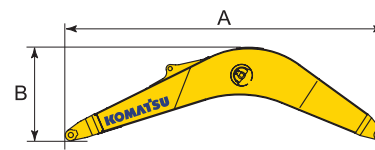


## Boom

## 7.1 m

## 8.4 m

A	Length	7460 mm	8760 mm
B	Height	2635 mm	2755 mm
	Weight	9720 kg	10100 kg

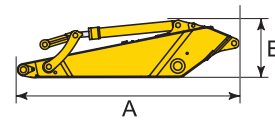


## Arm

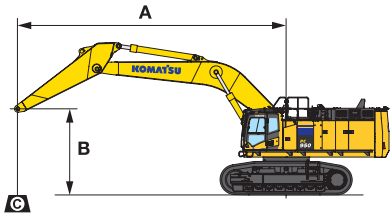
## 2.9 m

## 3.4 m

A	Length	4275 mm	4990 mm
B	Height	1835 mm	1600 mm
	Weight	5590 kg	5210 kg



# Lifting capacity



A – Reach from swing center

Lifting chart without bucket

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

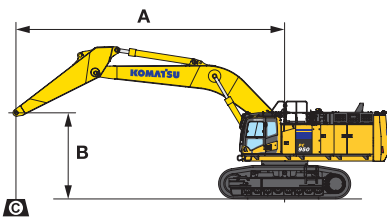
– Rating at maximum reach

## PC950-11 7.1 m boom

With 650 mm shoes

Arm length	A				10.5 m		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
	B															
<p>2.9 m</p>	7.5 m	kg	*22050	21650					*24950	*24950						
	6.0 m	kg	*22200	18750			*23250	20150	*26300	*26300	*31350	*31350	*41050	*41050		
	4.5 m	kg	21850	17100			*23900	19550	*28050	26000	*35050	*35050				
	3.0 m	kg	20900	16300			24300	18950	*29550	24850	*37850	34500				
	1.5 m	kg	20850	16200			23750	18400	*30150	23950	*38600	33150				
	0.0 m	kg	21750	16850			23450	18100	*29450	23400	*37250	32550				
	-1.5 m	kg	*21250	18450					*27000	23300	*33850	32600	*41450	*41450	*31500	*31500
	-3.0 m	kg	*19800	*19800					*21900	*21900	*28100	*28100	*33700	*33700		
	-4.5 m	kg	*15900	*15900							*18050	*18050				
	-6.0 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. Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.



A - Reach from swing center

Lifting chart without bucket

B - Bucket hook height

C - Lifting capacities

- Rating over front

- Rating over side

- Rating at maximum reach

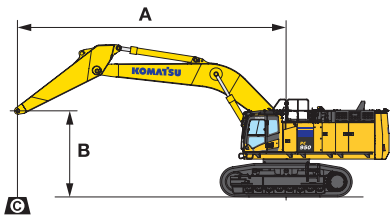
## PC950-11 8.4 m boom

With 650 mm shoes

Arm length	A				10.5 m		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m		
	B																
<p>3.7 m</p>	7.5 m	kg	*10900	*10900	*16650	16150	*19050	*19050									
	6.0 m	kg	*10900	*10900	*18100	15750	*20150	*20150	*23350	*23350	*28750	*28750					
	4.5 m	kg	*11150	*11150	*18750	15250	*21450	19350	*25650	25450	*33100	*33100					
	3.0 m	kg	*11600	*11600	18900	14700	*22600	18500	*27600	24050	*33900	32850					
	1.5 m	kg	*12400	11700	18450	14250	23100	17800	*28700	23000	*28600	*28600					
	0.0 m	kg	*13550	11950	18100	13950	22600	17300	*28850	22350	*33450	30950					
	-1.5 m	kg	*15350	12650	17950	13800	22350	17100	*27900	22100	*34550	30850	*22450	*22450			
	-3.0 m	kg	*16600	13950	*16650	13950	*21150	17100	*25850	22150	*31500	31100	*34700	*34700	*24800	*24800	
	-4.5 m	kg	*15750	*15750			*17600	17450	*22250	*22250	*27000	*27000	*31850	*31850			
	-6.0 m	kg	*13700	*13700					*15850	*15850	*20050	*20050	*23150	*23150			

\* 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. Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.

## Lifting capacity



A – Reach from swing center

Lifting chart without bucket

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

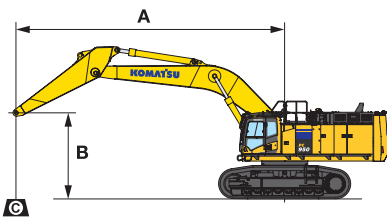
### PC950LC-11 7.1 m boom

With 650 mm shoes

Arm length	A				10.5 m		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m	
	B															
<p>2.9 m</p>	7.5 m	kg	*22050	22050					*24950	*24950						
	6.0 m	kg	*22200	19100			*23250	20500	*26300	*26300	*31350	*31350	*41050	*41050		
	4.5 m	kg	*22350	17450			*23900	19950	*28050	26450	*35050	*35050				
	3.0 m	kg	*22200	16650			*24500	19300	*29550	25300	*37850	35100				
	1.5 m	kg	*22050	16550			*24600	18800	*30150	24400	*38600	33800				
	0.0 m	kg	*21800	17200			*23600	18500	*29450	23900	*37250	33200				
	-1.5 m	kg	*21250	18850					*27000	23750	*33850	33100	*41450	*41450	*31500	*31500
	-3.0 m	kg	*19800	*19800					*21900	*21900	*28100	*28100	*33700	*33700		
	-4.5 m	kg	*15900	*15900							*18050	*18050				
	-6.0 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. Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.





A – Reach from swing center

Lifting chart without bucket

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

## PC950LC-11 8.4 m boom

With 650 mm shoes

Arm length	A				10.5 m		9.0 m		7.5 m		6.0 m		4.5 m		3.0 m		
	B																
<p>3.7 m</p>	7.5 m	kg	*10900	*10900	*16650	*16650	*19050	*19050									
	6.0 m	kg	*10900	*10900	*18100	*18100	*20150	*20150	*23350	*23350	*28750	*28750					
	4.5 m	kg	*11150	*11150	*18750	*18750	*21450	19750	*25650	*25650	*33100	*33100					
	3.0 m	kg	*11600	*11600	*19400	*19400	*22600	18900	*27600	24500	*33900	33500					
	1.5 m	kg	*12400	11950	*19800	*19800	*23400	18150	*28700	23450	*28600	*28600					
	0.0 m	kg	*13550	12200	*19700	*19700	*23550	17700	*28850	22800	*33450	31600					
	-1.5 m	kg	*15350	12900	*18900	*18900	*22850	17450	*27900	22550	*34550	31500	*22450	*22450			
	-3.0 m	kg	*16600	14250	*16650	*16650	*21150	17450	*25850	22600	*31500	*31500	*34700	*34700	*24800	*24800	
	-4.5 m	kg	*15750	*15750			*17600	*17600	*22250	*22250	*27000	*27000	*31850	*31850			
	-6.0 m	kg	*13700	*13700					*15850	*15850	*20050	*20050	*23150	*23150			

\* 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. Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.

## Standard and optional equipment

### Engine

Komatsu SAA6D140E-7 turbocharged common rail direct injection diesel engine	●
EU Stage V & EPA Tier 4 final compliant	●
Remote hydraulically driven, variable speed, reversible cooling fan	●
Automatic engine warm-up system	●
Fuel control dial	●
Auto-deceleration function	●
Adjustable idle shutdown	●
Cooling fan with fan guard	●
Alternator 24 V / 90 A	●
Starter motor 24 V / 11 kW	●
Batteries 2 × 12 V / 196 Ah	●

### Hydraulic system

Open-centre load sensing hydraulic system	●
3-working mode selection system: P mode, E mode, P+ mode	●
PPC wrist control levers for arm, boom, bucket and swing, with sliding proportional control for attachments and 3 auxiliary buttons	●
Two-mode boom control	●
In-line high pressure filters	●
Shockless control system for boom	●

### Undercarriage

Track roller guards	●
Track frame under-guards	●
Strengthened revolving frame underguard	●
Hydraulic track adjusters (each side)	●
Track rollers, 8/9 (each side)	●
650, 750, 900 mm double grouser shoes	○
Full length track roller guards	○

### Drives and brakes

Hydrostatic, 2-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes	●
PPC control levers and pedals for steering and travel	●

### Cabin

Reinforced safety SpaceCab™; highly pressurised and tightly sealed hyper viscous mounted cab with tinted safety glass windows, large roof window with sun shade, pull-up type front window with locking device, front window wiper with intermittent feature, sun roller blind, cigarette lighter, ashtray, luggage shelf, floor mat	●
Heated, high-back air-suspended seat with lumbar support, console mounted height adjustable arm rests, and retractable seat belt	●
Automatic climate control system with defroster	●
2 × 12 Volt power supplies	●
Beverage holder and magazine rack	●
Hot and cool box	●
Radio (AM/FM) with Bluetooth®	●
Auxiliary input (MP3 jack)	●
Fixed front window	●
Large high resolution LCD monitor	●
Safety lock lever	●
Parallel wiper	●

### Service and maintenance

Double element type air cleaner, dry type, with dust indicator and auto dust evacuator	●
Fuel pre-filter with water separator	●
Komtrax – Komatsu wireless monitoring system (4G)	●
Komatsu Care – a maintenance program for Komatsu customers	●
Multifunction video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
Tool kit	●
Service points	●
Quick oil sampling	●

### LED lighting system

LED working lights: 2 boom, 4 cab, 2 right front	●
Rear LED lights: 2 counterweight	●
Maintenance LED lights: 1 cab, 1 front of engine	●
Step light with timer	●
Flashing lights connected with horn	●

**Safety equipment**

KomVision surround view system	●
Flashing lights connected with horn	●
Audible travel alarm	●
Large hand rails, guard rails and rear-view mirrors	●
Battery main switch	●
Secondary engine shutdown switch	●
Seat belt caution indicator	●
Neutral position detection system	●
Rear reflector	●
Anti-slip plates	●
Wide catwalk (LH, RH)	●
OPG Level I top guard (FOPS)	●
OPG Level II front guard (FOPS), hinged type	●
Beacon lamp	●
Boom safety valves	○
Arm safety valves	○

**Work equipment**

2945 mm arm assembly	○
7100 mm boom assembly	○
3700 mm arm assembly	○
8700 mm boom assembly	○
Komatsu buckets	○

**Other equipment**

Standard counterweight	●
Grease gun, electric pump type	●
Preventive Maintenance (PM) tune-up service connector	●
Fuel quick charge preparation	●

Further equipment on request

- standard equipment
- optional equipment



A wide range of buckets and attachments is available. Your Komatsu distributor is ready to assist you with the selection of suitable options.

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

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