

# KOMATSU

## PC 130-8

Australia & New Zealand Specifications



Photos may include optional equipment.

Hydraulic  
excavator

**Horsepower**

Gross: 72.1 kW 96.6 HP / 2200 min<sup>-1</sup>  
Net: 68.4 kW 91.7 HP / 2200 min<sup>-1</sup>

**Operating weight range**

12380 – 12740 kg

**Bucket capacity**

0.13 – 0.93 m<sup>3</sup>

# Walk-around



Photos may include optional equipment.





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**0.13 – 0.93 m<sup>3</sup>**

## Ecology and economy

- Low Emission Engine Is U.S. EPA Tier 3 and EU Stage 3A Emissions Certified
- Low Operation Noise

## Comfort and safety

- ROPS Cab (ISO 12117-2)
- Low-noise Cab
- Wide Spacious Cab
- Rear View Monitor System (Optional)

## ICT\* and KOMTRAX

\* Information and Communication Technology

- Large Liquid Crystal Display (LCD) Monitor
- Equipment Management Support
- KOMTRAX

## Reliability and durability

- High Rigidity Work Equipment
- Reliable Komatsu Manufactured Major Components

## Maintenance

- Easy Maintenance
- Long-life Oil and Filter



# Ecology, economy and productivity

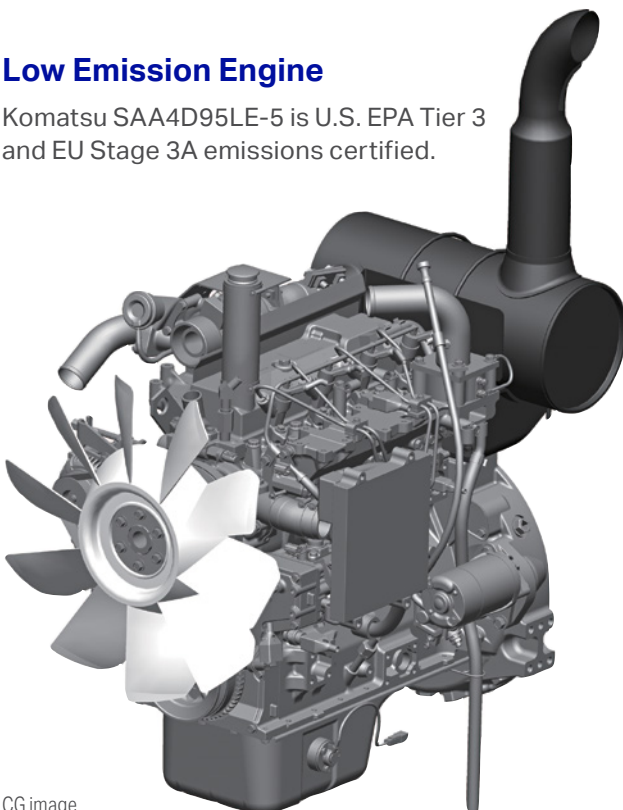
## Komatsu Technology

Komatsu develops and produces all major components in house such as engines, electronics and hydraulic components. Combining "Komatsu Technology" and customer feedback, Komatsu is achieving great advancements in technology. To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly excavators.



## Low Emission Engine

Komatsu SAA4D95LE-5 is U.S. EPA Tier 3 and EU Stage 3A emissions certified.



CG image

## Total vehicle control

7-inch LCD color monitor

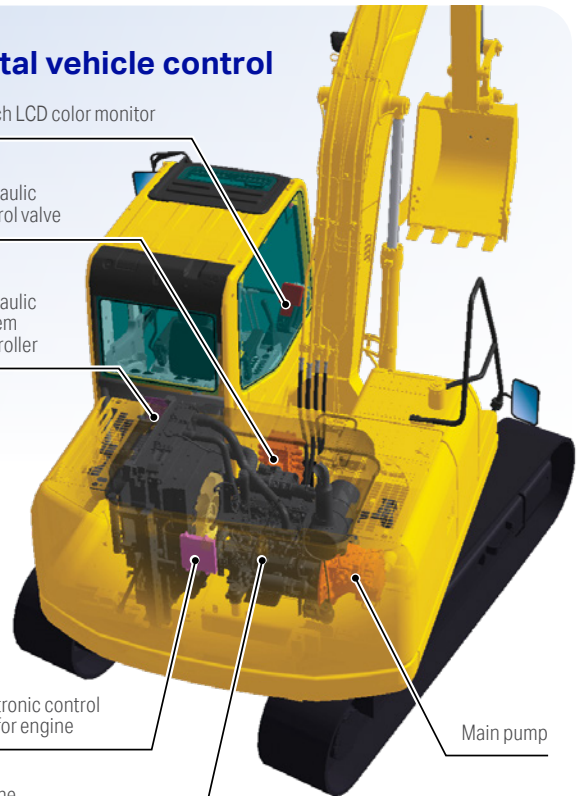
Hydraulic control valve

Hydraulic system controller

Electronic control unit for engine

Engine Heavy duty High Pressure Common Rail (HPCR) system

Main pump

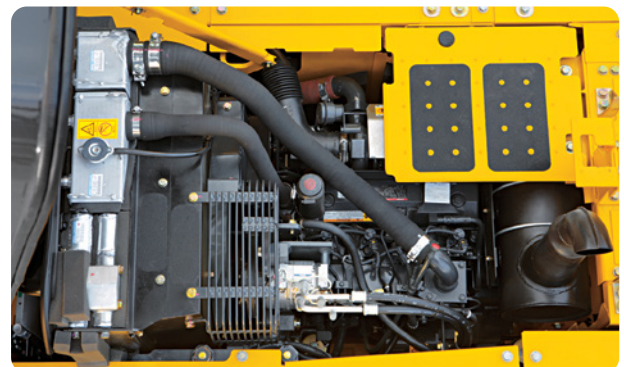


## Low Operation Noise

Enables low noise operation using the low-noise engine and methods to cut noise at source.

Electronically controlled common rail type engine

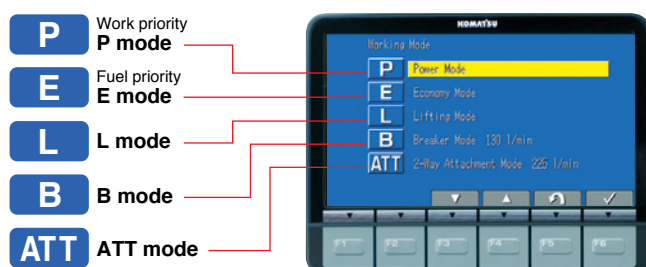
- Multi-staged injection
- Low noise design
- Optimal arrangement of sound absorbing materials
- Partition between the cab and engine room



## Working Modes Selectable

The PC130-8 excavator is equipped with five working modes (P, E, L, B and ATT mode). Each mode is designed to match engine speed and pump speed with the current application. This provides the flexibility to match equipment performance to the job at hand.

Working Mode	Application	Advantage
<b>P</b>	Power Mode	Maximum production, power and multifunction
<b>E</b>	Economy Mode	Good cycle times with reduced fuel consumption
<b>L</b>	Lifting Mode/Fine Control	Increased lifting power and fine control
<b>B</b>	Breaker Mode	One way flow for hydraulic breaker operation
<b>ATT/P</b>	Attachment Power Mode	Two way flow with maximum power
<b>ATT/E</b>	Attachment Economy Mode	Two way flow with most efficient fuel economy



The Economy mode is adjustable in 4 stages. It is selectable from the economy mode adjustment selection menu as appropriate. The power output will be reduced when adjust from E0 to E3, however, the fuel consumption will be better.

### Economy Mode Adjustment

<b>E0</b>	Economy mode
<b>E1</b>	Economy Adjustment 1
<b>E2</b>	Economy Adjustment 2
<b>E3</b>	Economy Adjustment 3

## ECO Gauge that Assists Energy-saving Operations

The ECO gauge on the right side of the multi-function color monitor provides environment-friendly energy-saving operation. Allows focus on operation



ECO gauge

in the green range with reduced CO2 emissions and efficient fuel consumption.

## Idling Caution

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



## Large Digging Force

When press the left knob switch which is called the one-touch power max. switch and when it is kept pressed, this function temporarily increases digging force for 8.5 seconds of operation.

### Maximum arm crowd force (ISO 6015)

61.8 kN (6.3 t) ➔ 67.5 kN (6.8 t) **9% UP**  
(With Power Max.)

### Maximum bucket digging force (ISO 6015)

86.0 kN (8.7 t) ➔ 93.4 kN (9.5 t) **9% UP**  
(With Power Max.)

Measured with Power Max. function, 2500 mm arm and ISO 6015 rating.



One-touch power max. switch

## Larger Maximum Drawbar Pull

Larger maximum drawbar pull provides superb steering and slope climbing performance. Maximum drawbar pull: **122.6 kN** 12500 kg



Photo may include optional equipment.



# Comfort

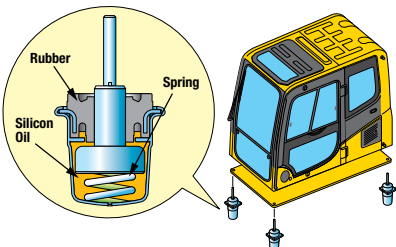


## Low-noise Cab

The newly-designed 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 similar to that of a passenger car.

## Low Vibration with Cab Damper Mounting

PC130-8 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.



## Wide Spacious Cab

Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

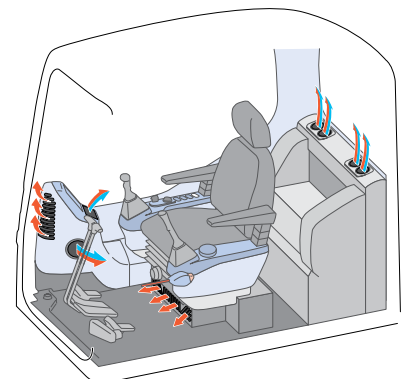


## Pressurised Cab

A/C, air filter and a higher internal air pressure prevent external dust from entering the cab.

## Automatic A/C

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps front glass clear.



# Safety

## ROPS Cab (ISO 12117-2)

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



## Slip-resistant Plates

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



## Pump/engine Room Partition

Pump/engine room partition prevents oil from spraying onto the engine if a hydraulic hose should burst.

## Lock Lever

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



## Large Side-view, Sidewise, Rear and Front Under-view Mirrors

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



## Rear View Monitor System

The operator can view the rear of the machine with a colour monitor screen.



Monitor for rear view camera

## Thermal and Fan Guards

Thermal and fan guards are placed around high-temperature parts of the engine and fan drive.

# ICT



## Large LCD Color Monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of LCD that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations. Displays data in 12 languages to globally support operators around the world.

### Indicators

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

### Basic operation switches

- |                         |                       |
|-------------------------|-----------------------|
| 1 Auto-decelerator      | 4 Buzzer cancel       |
| 2 Working mode selector | 5 Wiper               |
| 3 Travel selector       | 6 Windowshield washer |

## Equipment Management Monitoring System

### Monitor function

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

### Maintenance function

Monitor informs replacement time of oil and filters on LCD when the replacement interval is reached.

### Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.





# Komtrax Equipment Monitoring

Get the whole story with



## What

- KOMTRAX is Komatsu's remote equipment monitoring and management system. KOMTRAX continuously monitors and records machine health and operational data.
- Information such as fuel consumption, utilisation, and a detailed history lowering owning and operating cost.

## Who

- KOMTRAX is standard equipment on all Komatsu construction products.

## When

- Know when your machines are running or idling and make decisions that will improve your fleet utilisation.
- Detailed movement records ensure you know when and where your equipment is moved.
- Up to date records allow you to know when maintenance is due and help you plan for future maintenance needs.

## Where

- KOMTRAX data can be accessed virtually anywhere through your computer, the web or your smart phone.
- Automatic alerts keep fleet managers up to date on the latest machine notifications.

## Why

- Knowledge is power – make informed decisions to manage your fleet better.
- Knowing your idle time and fuel consumption will help maximise your machine efficiency.
- Take control of your equipment – any time, anywhere.



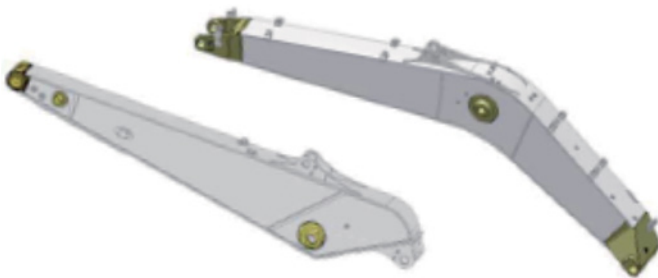
**KOMTRAX**  
For construction and compact equipment.

**KOMTRAX Plus**  
For production and mining class machines.

# Reliability and durability

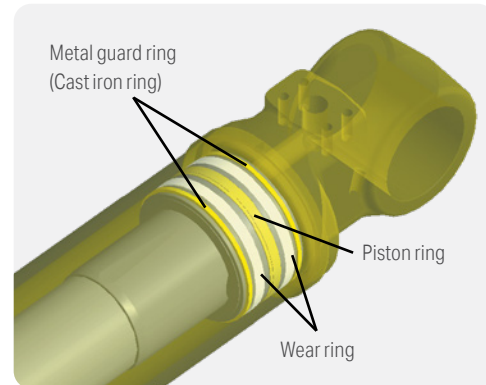
## High Rigidity Work Equipment

Boom and arms are constructed of thick plates of high tensile strength steel. In addition, these structures are designed with large cross-sectional areas and generous use of castings. The result is working attachments that exhibit long term durability and high resistance to bending and torsional stress.



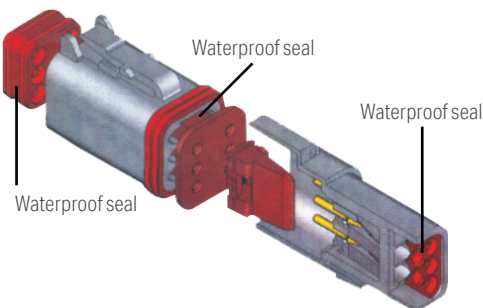
## Metal Guard Rings

Metal guard rings protect all the hydraulic cylinders and improve reliability.



## Sealed Connectors

Sealed connectors seal tight and have higher reliability.



## Reliable Components

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

## O-ring Face Seal

The hydraulic hose seal method has been changed from a conventional taper seal to an O-ring seal. This provides improved sealing performance.





# Maintenance

## Side-by-side Cooling

Since radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them. Radiator, aftercooler, and oil cooler made of aluminum have high cooling efficiency and are easily recycled.



## Easy Access to Engine Oil Filter, Engine Main Fuel Filter and Fuel Drain Valve

Engine oil filter, engine main fuel filter and fuel drain valve are remote mounted to improve accessibility.



## Sloping Track Frame

Prevents dirt and sand from accumulating and allows easy mud removal.

## Long-life Oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.



Hydraulic oil filter

Engine oil & Engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours

## Equipped with the Fuel Pre-filter (With Water Separator)

Removes water and contaminants in the fuel to prevent fuel problems. (With built-in priming pump)



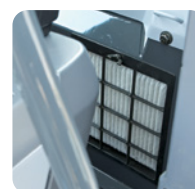
## Equipped with the Drain Valve as Standard

Prevents clothes and the ground from becoming contaminated due to oil leakage when replacing the engine oil.



## Easy to Clean A/C Filter

The A/C filter is removed and installed without the use of tools facilitating filter maintenance.



## Washable Cab Floormat

The PC130-8's cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

## Large-capacity Fuel Tank and Rustproof Treatment

247 L high-capacity fuel tank. Effective corrosion resistance using rustproof treatment.

# Special specs.

## Attachment Piping Specification

Equips PC130-8 for breaker and crusher installation. Hydraulic flow rate can be regulated by setting Breaker Mode on monitor panel during breaker operation.





# Specifications

## Engine

Model	Komatsu SAA4D95LE-5
Type	Water-cooled, 4-cycle, direct injection
Aspiration	Turbocharged, aftercooled
<b>Number of cylinders</b>	4
Bore	95 mm
Stroke	115 mm
Piston displacement	3.26 L
Horsepower:	
SAE J1995	Gross 72.1 kW 96.6 HP
ISO 9249 / SAE J1349	Net 68.4 kW 91.7 HP
Rated rpm	2200 min <sup>-1</sup>
Governor	All-speed control, electronic
Fan drive method for radiator cooling	Mechanical
U.S. EPA Tier 3 and EU Stage 3A emissions certified.	

## Hydraulics

Type	HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves	
Number of selectable working modes	5	
Main pump:		
Type	Variable displacement axial piston type	
Pumps for	Boom, arm, bucket, swing, and travel circuits	
Maximum flow	241.5 L/min	
Supply for control circuit	Self reducing valve	
Hydraulic motors:		
Travel	2 x axial piston motor with parking brake	
Swing	1 x axial piston motor with swing holding brake	
Relief valve setting:		
Implement circuits	<b>31.9 MPa</b>	325 kg/cm <sup>2</sup>
Travel circuit	<b>34.8 MPa</b>	355 kg/cm <sup>2</sup>
Swing circuit	<b>24.7 MPa</b>	252 kg/cm <sup>2</sup>
Pilot circuit	<b>3.2 MPa</b>	33 kg/cm <sup>2</sup>
Hydraulic cylinders:		
(Number of cylinders – bore x stroke x rod diameter)		
Boom	<b>1-115 mm x 1175 mm x 75 mm</b>	
Arm	<b>1-115 mm x 1175 mm x 75 mm</b>	
Bucket	<b>1-95 mm x 885 mm x 65 mm</b>	

## Drives and brakes

Steering control	Two lever with pedals
Drive method	Hydrostatic
Maximum drawbar pull	122.6 kN 12500 kg
Gradeability	70%, 35°
Maximum travel speed:	
High	<b>5.5 km/h</b>
Low	<b>2.9 km/h</b>
Service brake	Hydraulic lock
Parking brake	Mechanical disc brake

## Swing system

Drive method	Hydrostatic
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Service brake	Hydraulic lock
Holding brake/Swing lock	Mechanical disc brake
Swing speed	11.0 rpm

## Undercarriage

Centre frame	X-frame
Track frame	Box-section
Seal of track	Sealed track
Track adjuster	Hydraulic
Number of shoes (each side)	43
Number of carrier rollers (each side)	1
Number of track rollers (each side)	7

## Coolant & lubricant capacity (Refilling)

Fuel tank	247 L
Coolant	13.9 L
Engine	11.5 L
Final drive, each side	2.1 L
Swing drive	2.5 L
Hydraulic tank	90 L

## Operating weight (approximate)

Operating weight including **4600 mm** one-piece boom, **2500 mm** arm, ISO 7451 heaped **0.50 m<sup>3</sup>** backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Shoes	Operating weight	Ground pressure
500 mm	12380 kg	38.6 kPa 0.39 kg/cm <sup>2</sup>
600 mm	12560 kg	32.6 kPa 0.33 kg/cm <sup>2</sup>
700 mm	12740 kg	28.4 kPa 0.29 kg/cm <sup>2</sup>

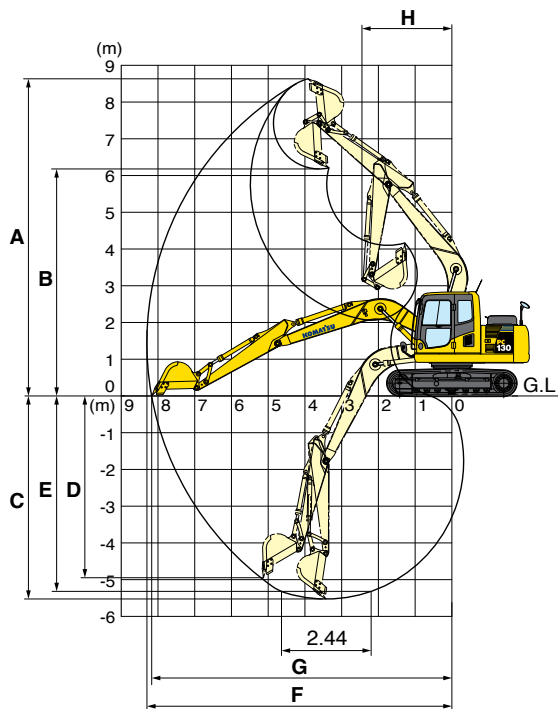
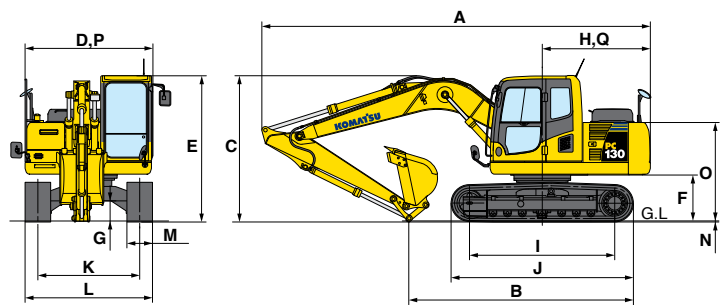
# Specifications

## Dimensions

	Arm Length	2500 mm	3000 mm
A	Overall length	7590 mm	7485 mm
B	Length on ground (Transport)	4410 mm	4280 mm
C	Overall height (To top of boom)	2875 mm	3185 mm
D	Overall width	2500 mm	
E	Overall height (To top of cab)	2855 mm	
F	Ground clearance, counterweight	895 mm	
G	Ground clearance (Minimum)	400 mm	
H	Tail swing radius	2190 mm	
I	Track length on ground	2880 mm	
J	Track length	3610 mm	
K	Track gauge	1990 mm	
L	Width of crawler	2490 mm	
M	Shoe width	500 mm	
N	Grouser height	20 mm	
O	Machine cab height	1925 mm	
P	Machine cab width	2500 mm	
Q	Distance, swing center to rear end	2110 mm	

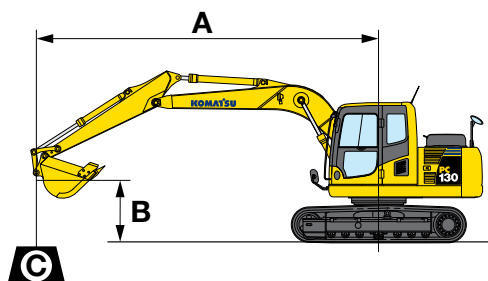
## Working range

	Arm Length	2500 mm	3000 mm
A	Max. digging height	8650 mm	8930 mm
B	Max. dumping height	6210 mm	6615 mm
C	Max. digging depth	5520 mm	5955 mm
D	Max. vertical wall digging depth	4980 mm	5365 mm
E	Max. digging depth of cut for 2440 mm level	5320 mm	5775 mm
F	Max. digging reach	8290 mm	8720 mm
G	Max. digging reach at ground level	8170 mm	8595 mm
H	Min. swing radius	2450 mm	2620 mm
SAE 1179 Rating:			
	Bucket digging force at power max.	80.9 kN 8250 kg	80.9 kN 8250 kg
ISO 6015 Rating:			
	Bucket digging force at power max.	93.4 kN 9520 kg	93.4 kN 9520 kg
	Arm crowd force at power max.	67.5 kN 6880 kg	59.3 kN 6050 kg





## Lift capacities



### PC130-8

A:	Reach from swing centre
B:	Bucket hook height
C:	Lifting capacity
Cf:	Rating over front
Cs:	Rating over side
⊗:	Rating at maximum reach

### PC130-8

Boom: 4600 mm  
 Arm: **2500 mm**  
 Bucket: 0.50 m<sup>3</sup> ISO 7451 heaped  
 Shoe: 500 mm triple grouser

A/B	⊗ MAX		7.6 m		6.1 m		4.6 m		3.0 m		1.5 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m	-	-	-	-	-	-	-	-	-	-	-	-
6.1 m	*1950 kg	*1950 kg	-	-	-	-	-	-	-	-	-	-
4.6 m	*1800 kg	1650 kg	-	-	2850 kg	1950 kg	*3100 kg	*3100 kg	-	-	-	-
3.0 m	*1800 kg	1400 kg	-	-	2750 kg	1900 kg	*3900 kg	3100 kg	*5000 kg	*5000 kg	-	-
1.5 m	1950 kg	1300 kg	-	-	2700 kg	1800 kg	4300 kg	2900 kg	*7700 kg	5500 kg	-	-
0 m	1950 kg	1300 kg	-	-	2600 kg	1700 kg	4100 kg	2700 kg	8350 kg	5100 kg	-	-
-1.5 m	2200 kg	1450 kg	-	-	2550 kg	1700 kg	3900 kg	2500 kg	8200 kg	5000 kg	*4750 kg	*4750 kg
-3.0 m	2800 kg	1850 kg	-	-	-	-	4050 kg	2650 kg	*7850 kg	5050 kg	*8000 kg	*8000 kg

### PC130-8

Boom: 4600 mm  
 Arm: **3000 mm**  
 Bucket: 0.50 m<sup>3</sup> ISO 7451 heaped  
 Shoe: 500 mm triple grouser

A/B	⊗ MAX		7.6 m		6.1 m		4.6 m		3.0 m		1.5 m	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m	*1850 kg	*1850 kg	-	-	-	-	*2050 kg	*2050 kg	-	-	-	-
6.1 m	*1500 kg	*1500 kg	-	-	*1850 kg	*1850 kg	-	-	-	-	-	-
4.6 m	*1400 kg	1400 kg	-	-	*2700 kg	1950 kg	-	-	-	-	-	-
3.0 m	*1400 kg	1200 kg	*1550 kg	1200 kg	2750 kg	1900 kg	*3400 kg	3150 kg	-	-	-	-
1.5 m	*1500 kg	1100 kg	1800 kg	1150 kg	2650 kg	1800 kg	4350 kg	2900 kg	*6650 kg	5500 kg	-	-
0 m	1700 kg	1100 kg	1750 kg	1100 kg	2550 kg	1700 kg	4100 kg	2700 kg	8350 kg	5050 kg	-	-
-1.5 m	1900 kg	1200 kg	-	-	2500 kg	1600 kg	3850 kg	2450 kg	8100 kg	4850 kg	*4150 kg	*4150 kg
-3.0 m	2300 kg	1500 kg	-	-	2500 kg	1600 kg	3900 kg	2550 kg	8100 kg	4850 kg	*6750 kg	*6750 kg
-4.6 m	*3350 kg	2350 kg	-	-	-	-	*3950 kg	2650 kg	*6250 kg	5050 kg	-	-

\* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097.  
 Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## Standard equipment

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### Engine:

- Automatic engine warm-up system
- Dry type air cleaner, double element
- Engine, Komatsu SAA4D95LE-5
- Engine overheat prevention system
- Radiator and oil cooler dust proof net
- Suction fan

### Electrical system:

- Alternator, 24 V/35 A
- Auto-decelerator
- Batteries, 2 X 12 V/64 Ah
- Starting motor, 24 V/4.5 kW
- Working light, 2 (Boom and RH)

### Hydraulic system:

- Boom holding valve
- Burst valve protection, boom and arm
- Dual flow hammer piping
- Overload alarm
- Power maximising system
- Pressure Proportional Control (PPC) hydraulic control system
- Quickhitch piping
- Working mode selection system

### Guards and covers:

- Fan guard structure
- Revolving frame
- Track frame undercover
- Track roller guides

### Undercarriage:

- Hydraulic track adjusters (each side)
- Track roller – 7 each side
- Track shoe – 500 mm triple grouser

### Operator environment:

- A/C auto with large air blower
- Equipment Management Monitoring System
- Fire extinguisher, 1.5kg, in cab
- Front underview mirror
- Large multi-lingual high resolution LCD monitor
- Overhead protective guard (OPG level 2)
- Radio media system - Bluetooth and USB
- Rear view mirrors (RH, LH, rear, sidewise)
- ROPS cab (ISO 12117-2)
- Seat, suspension
- UHF radio, 80 channel

### Other equipment:

- Counterweight
- Electric horn
- Rear reflector
- Seat belt, retractable
- Slip-resistant plates
- Travel alarm

## Optional equipment

---

### Undercarriage:

- Shoes, triple grouser, 600mm
- Rubber roadliner
- Track shoes, 500mm

### Operator environment:

- Bolt-on top guard, OPG top guard level 2 (ISO 10262)

### Work equipment:

- Arms, 3000 mm arm assembly

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