KOMATSU®

PC130-8

NET HORSEPOWER
68 kW **92 HP** @ 2200 rpm

OPERATING WEIGHT
12560 kg **27,700 lb**

BUCKET CAPACITY
0.18–0.6 m³ **0.24–0.78 yd³**

PC 130

HYDRAULIC EXCAVATOR

Photo may include optional equipment.

WALK-AROUND

Ecology and Economy Features

- ***Low Emission Engine***
  A powerful turbocharged and air-to-air aftercooled Komatsu SAA4D95LE-5 engine provides 68 kW **92 HP** (net). This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.
- ***Low Operational Noise***
  The dynamic noise is reduced providing low noise operation.
- ***Extended Idling Caution and Economy Mode***
  Minimize fuel consumption
- ***Eco-gauge***
  Assists energy saving operation

Large TFT LCD Monitor

- Easy-to-see and use large 7" multi-function color monitor
- Can be displayed in 12 languages

TFT : Thin Film Transistor
LCD : Liquid Crystal Display

Productivity Features

- ***High Mobility***
  Maximum drawbar pull: 122.6 kN 12500 kgf
  27,570 lbs
- ***Mode Selection***
  Five working modes designed to match engine speed, pump delivery, and system pressure.

Upper Structure Features

- Reinforced cab that is designed specifically for hydraulic excavators
- Slip-resistant plates to improve foot grip
- Large side-view, sidewise, rear and front under-view mirrors
- Rear view monitoring system for easily checking behind the machine
- OPG top guard Level 2 (optional)

KOMTRAX®

KOMTRAX equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.

PC130-8

NET HORSEPOWER
68 kW **92 HP** @ 2200 rpm

OPERATING WEIGHT
12560 kg **27,700 lb**

BUCKET CAPACITY
0.18 – 0.6 m^3
0.24 – 0.78 yd^3

Large Comfortable Cab

- Low-noise cab
- Low vibration with viscous cab damper mounting
- Highly pressurized cab with air conditioner
- Operator seat and console with armrest that enables ergonomic operational posture

Easy Maintenance

- Long replacement interval of engine oil, engine oil filter, and hydraulic filter
- Remote mounted engine oil filter, engine main fuel filter and fuel drain valve for easy access
- Fuel pre-filter with water separator as standard equipment
- Side-by-side cooling concept enables servicing of individual cooling modules.
- Equipment Management Monitoring System (EMMS)

Photo may include optional equipment.

Excellent Reliability and Durability

- High rigidity work equipment
- Sturdy frame structure
- Reliable Komatsu manufactured major components

PRODUCTIVITY & ECOLOGY FEATURES

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.

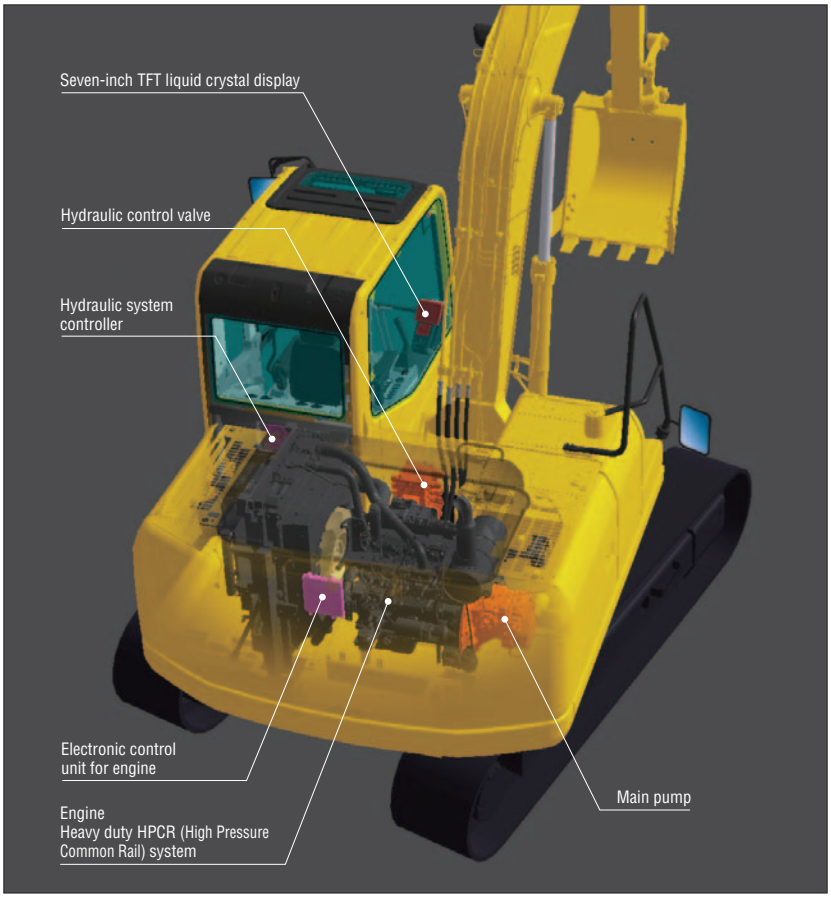
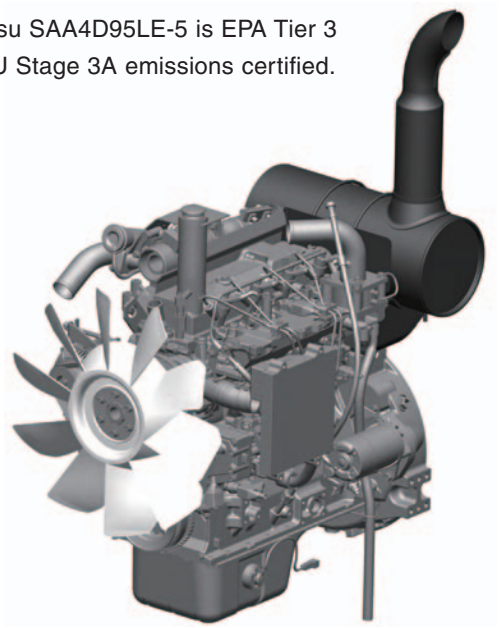


Photo may include optional equipment.

Low Emission Engine

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



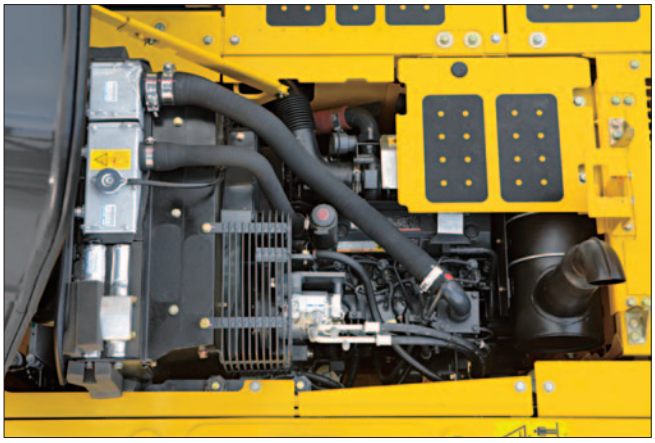
Low Operational Noise

By means of the low-noise emitting engine and methods to reduce noise at the source.

- Optimal arrangement of sound absorbing materials
- Partition between the cab and engine room

Electronically controlled common rail type engine

- Multi-staged injection



Large Drawbar Pull

Provides superb steering and slope climbing performance.

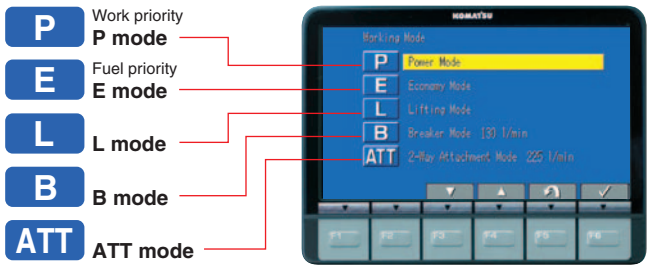
Maximum drawbar pull: **123 kN** 12500 kgf 27,570 lb

Photo may include optional equipment.

Selectable Working Modes

The PC130-8 excavator is equipped with five working modes (P, E, L, B and ATT). 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
P	Power mode	● Maximum production/power ● Fast cycle times
E	Economy mode	● Good cycle times ● Better fuel economy
L	Lifting mode	● Engine RPM reduction
B	Breaker mode	● Optimum engine rpm, hydraulic flow, 1-way
ATT	Attachment mode	● Optimum engine rpm, hydraulic flow, 2-way



Eco-gauge that Assists Energy-saving Operations

Equipped with the Eco-gauge that can be recognized at a glance on the right of the multi-monitor for environment-friendly energy-saving operations. Allows the operator to maintain work in the green zone and reduce fuel consumption.

Idling Caution

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

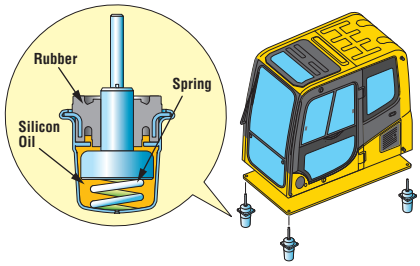
WORKING ENVIRONMENT

Low Cab Noise

The newly-designed cab is highly rigid and has excellent sound absorption ability. Improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allow this machine to generate a low level of noise similar to that of a modern automobile.

Low Vibration with Cab Damper Mounting

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



Wide Newly-designed 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 the armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Pressurized Cab

Automatic air conditioner, air filter, and a higher internal air pressure help prevent dust from entering the cab.

Automatic Air Conditioner

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD screen. The bi-level control function keeps the inside of the cab comfortable from top to bottom throughout the year. Defroster function keeps cab glass clear.

Lock Lever

When the lock lever is placed in the lock position all hydraulic controls (travel, swing, boom, arm and bucket) are inoperable.

Lever shown in lock position

New Cab Design for Hydraulic Excavators

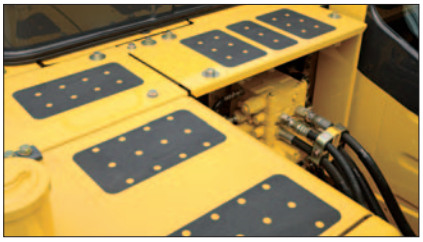
The cab is designed specifically for hydraulic excavators and gains reinforced strength from the pipe-structured framework. The cab framework provides high durability and impact resistance with very high impact absorbency.

Thermal and Fan Guards

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

Slip-Resistant Plates

Durable slip resistant plates help maintain foot traction.



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

Large side mirrors and lower front cab mirror.

Travel Alarm

An alarm is installed as standard equipment to give other workers a warning when the machine travels in forward or reverse.

Rear View Monitoring System

The operator can view to the rear of the machine through the color monitor screen on the multi-function panel.

Monitor for rear view camera

Skylight

Skylight can be opened to improve overhead visibility.

MAINTENANCE FEATURES

Easy Maintenance

Side-by-side Cooling

Since radiator, aftercooler and oil cooler are arranged side-by-side, 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.

Equipped with Fuel Pre-filter with Water Separator

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

Equipped with Eco-drain Valve as Standard

Enables easier and cleaner engine oil changes

Washable Cab Floormat

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

Photo may include optional equipment.

Large Capacity Fuel Tank with Rustproof Treatment

247 liter **65.3 U.S. gal** high-capacity fuel tank. Effective corrosion resistance using rustproof treatment.

Sloping Track Frame

Helps prevent dirt and sand from accumulating and allows easy mud removal.

Long-life Oil, Eco-white Filter Element

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

Air Conditioner Filters

The air conditioner filters are removed and installed without the use of tools facilitating filter maintenance.

Internal air conditioner filter

External air conditioner filter

Longer Greasing Intervals

High quality bushings are used for work equipment pins except arm top pin. All bushing lubrication intervals of work equipment except arm top bushings are 500 hours, reducing maintenance cost.

Large TFT LCD Monitor

Large Multi-lingual LCD Monitor

A large user-friendly color monitor enables accurate and smooth work. Improved screen visibility is achieved by the use of TFT liquid crystal display 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.

Indicators

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

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Equipment Management Monitoring System (EMMS)

Monitor function

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

Maintenance function

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

Trouble data memory function

Monitor stores abnormality data for effective troubleshooting.

Excellent Reliability and Durability

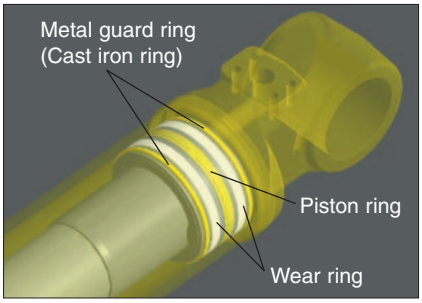
High Rigidity Work Equipment

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.

Reliable Components

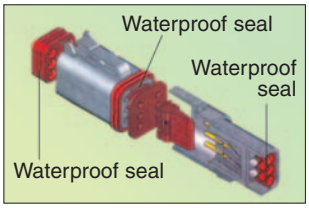
All of the major machine components, such as engine, hydraulic pump, hydraulic motors, and control valves are exclusively designed and manufactured by Komatsu.

Metal Guard Rings Protect all the Hydraulic Cylinders and Improve Reliability



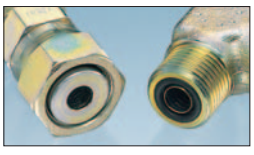
DT-type Connectors

Sealed DT-type connectors provide high reliability, water resistance, and dust resistance.



O-ring Face Seal

Flat face-to-face O-ring seals are used to securely seal hydraulic hose connections.



SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA4D95LE-5
Type . . . . . Water cooled, 4-cycle, direct injection
Aspiration . . . . . Turbocharged, and air-to-air aftercooled
Number of cylinders 4
Bore . . . . . 95 mm **3.74"**
Stroke . . . . . 115 mm **4.53"**
Piston displacement . . . . . 3.26 ltr **199 in³**
Horsepower:
Gross (SAE J1995) . . . . . 72 kW **97 HP @ 2200 rpm**
Net (ISO 9249/SAE J1349) . . . . . 68 kW **92 HP @ 2200 rpm**
Governor . . . . . All speed control, electronic
Lubrication system :
Method . . . . . Gear pump, force-lubrication
Filter . . . . . Full-flow
Air cleaner . . . . . Dry type with double elements and auto dust evacuator, plus dust indicator

EPA Tier 3 and EU Stage 3A emissions certified.

HYDRAULICS SYSTEM

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 piston type
Pumps for . . . . . Boom, arm, bucket, swing, and travel circuits
Maximum flow . . . . . 242 ltr/min **64 U.S. gal/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 . . . . . 31.9 MPa 325 kgf/cm² **4,620 psi**
Travel circuit . . . . . 34.8 MPa 355 kgf/cm² **5,050 psi**
Swing circuit . . . . . 24.7 MPa 252 kgf/cm² **3,580 psi**
Pilot circuit . . . . . 3.2 MPa 33 kgf/cm² **470 psi**

Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom . . . . . 2–105 mm x 995 mm x 70 mm **4.1" x 39.2" x 2.8"**
Arm . . . . . 1–115 mm x 1175 mm x 75 mm **4.5" x 46.3" x 3.0"**
Bucket . . . . . 1–95 mm x 885 mm x 65 mm **3.7" x 34.8" x 2.6"**

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

DRIVES AND BRAKES

Steering control . . . . . Two levers with pedals
Drive method . . . . . Hydrostatic
Maximum drawbar pull . . . . . 123 kN 12500 kgf **27,570 lbf**
Gradeability . . . . . 70%, 35°
Maximum travel speed: High . . . . . 5.5 km/h **3.4 mph**
Low . . . . . 2.9 km/h **1.8 mph**
Service brake . . . . . Hydraulic lock
Parking brake . . . . . Mechanical disc

UNDERCARRIAGE

Center frame . . . . . X-leg frame
Track frame . . . . . Box-section
Track type . . . . . Sealed track
Track adjuster . . . . . Hydraulic
Number of shoes . . . . . 43 each side
Number of carrier rollers . . . . . 1 each side
Number of track rollers . . . . . 7 each side

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . 247 ltr **65.3 U.S. gal**
Radiator . . . . . 13.9 ltr **3.7 U.S. gal**
Engine . . . . . 11.5 ltr **3.0 U.S. gal**
Final drive, each side . . . . . 2.1 ltr **0.6 U.S. gal**
Swing drive . . . . . 2.5 ltr **0.7 U.S. gal**
Hydraulic tank . . . . . 90 ltr **23.8 U.S. gal**

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 4600 mm **15'1"** one-piece boom, 2500 mm **8'2"** arm, SAE heaped 0.5 m³ **0.65 yd³** backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

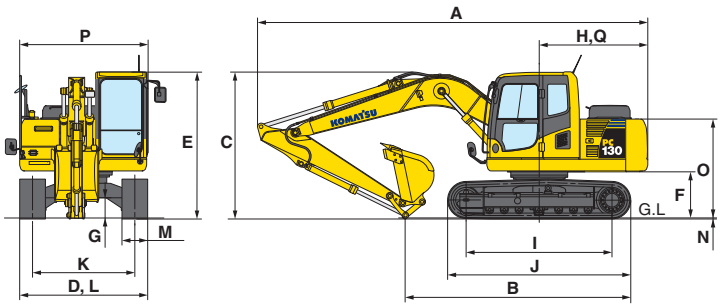
Shoes		Operating Weight		Ground Pressure		
mm	**in**	kg	**lb**	kPa	kg/cm²	**psi**
600	**24"**	12560	**27,700**	32.6	0.33	**4.73**

WORKING FORCES

	Arm	2500 mm **8'2"**
SAE rating	Bucket digging force at power max.	80.9 kN 8250 kgf/**18,190 lb**
	Arm crowd force at power max.	64.5 kN 6580 kgf/**14,510 lb**
ISO rating	Bucket digging force at power max.	93.4 kN 9520 kgf/**21,000 lb**
	Arm crowd force at power max.	67.5 kN 6880 kgf/**15,170 lb**

DIMENSIONS

	Arm Length	2500 mm	**8'2"**
A	Overall length	7590 mm	**24'11"**
B	Length on ground (transport)	4410 mm	**14'6"**
C	Overall height (to top of boom)	2875 mm	**9'5"**
D	Overall width	2590 mm	**8'6"**
E	Overall height (to top of cab)	2855 mm	**9'4"**
F	Ground clearance, counterweight	895 mm	**2'11"**
G	Ground clearance (minimum)	400 mm	**1'4"**
H	Tail swing radius	2190 mm	**7'2"**
I	Track length on ground	2880 mm	**9'5"**
J	Track length	3610 mm	**11'10"**
K	Track gauge	1990 mm	**6'6"**
L	Width of crawler	2590 mm	**8'6"**
M	Shoe width	600 mm	**24"**
N	Grouser height	20 mm	**0.8"**
O	Machine cab height	1925 mm	**6'4"**
P	Machine cab width	2500 mm	**8'2"**
Q	Distance, swing center to rear end	2110 mm	**6'11"**



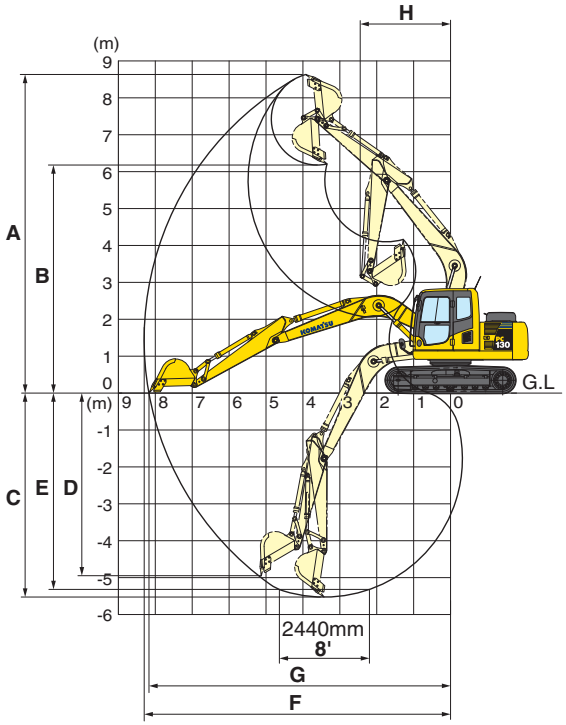
BACKHOE BUCKET AND ARM COMBINATION

Bucket Capacity (heaped)		Width		Weight	Number of Teeth	Application
SAE, PCSA	CECE	Without Side Cutters	With Side Cutters			
0.18 m³ **0.24 yd³**	0.16 m³ **0.21 yd³**	450 mm **17.7"**	570 mm **22.4"**	256 kg **565 lb**	3	X
0.28 m³ **0.37 yd³**	0.26 m³ **0.34 yd³**	600 mm **23.6"**	720 mm **28.3"**	303 kg **670 lb**	3	X
0.36 m³ **0.50 yd³**	0.33 m³ **0.43 yd³**	700 mm **27.6"**	820 mm **32.3"**	330 kg **730 lb**	4	X
0.50 m³ **0.65 yd³**	0.45 m³ **0.59 yd³**	859 mm **33.8"**	979 mm **38.5"**	399 kg **880 lb**	4	X
0.60 m³ **0.78 yd³**	0.55 m³ **0.72 yd³**	1000 mm **39.4"**	NA	436 kg **960 lb**	5	Y

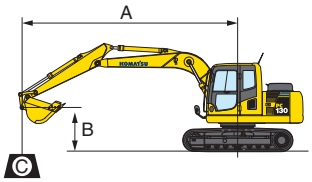
X—General digging Y—Light-duty operation Z— Not available

WORKING RANGE

A	Max. digging height	8650 mm	**28'5"**
B	Max. dumping height	6210 mm	**20'4"**
C	Max. digging depth	5520 mm	**18'1"**
D	Max. vertical wall digging depth	4980 mm	**16'4"**
E	Max. digging depth 8' level bottom	5320 mm	**17'5"**
F	Max. digging reach	8290 mm	**27'2"**
G	Max. digging reach at ground level	8170 mm	**26'10"**
H	Min. swing radius	2450 mm	**8'0"**



LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity

Cf: Rating over front
Cs: Rating over side
⊗: Rating at maximum reach

Bucket: 0.5 m³ **0.65 yd³** (SAE heaped)

Unit: kg/**lb**

A / B	1.5 m **5'**		3.0 m **10'**		4.6 m **15'**		6.1 m **20'**		7.6 m **25'**		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.1 m **20'**					*3050 ***6,800**	*3050 ***6,800**					*2050 ***4,500**	*2050 ***4,500**
4.6 m **15'**					*3200 ***7,100**	*3200 ***7,100**	2900 **6,400**	2000 **4,400**			*1900 ***4,200**	1750 **3,800**
3.0 m **10'**			*5300 ***11,700**	*5300 ***11,700**	*4000 ***8,800**	3200 **7,000**	2850 **6,300**	1950 **4,300**			*1900 ***4,200**	1450 **3,300**
1.5 m **5'**			*7850 ***17,400**	5650 **12,500**	4450 **9,800**	3000 **6,600**	2750 **6,100**	1850 **4,100**			*2050 ***4,500**	1350 **3,000**
0 m **0'**			*6750 ***14,900**	5300 **11,700**	4250 **9,400**	2800 **6,200**	2700 **5,900**	1800 **4,000**			2100 **4,600**	1400 **3,100**
–1.5 m **–5'**			8550 **18,800**	5200 **11,500**	4150 **9,200**	2750 **6,000**	2650 **5,800**	1750 **3,900**			2350 **5,100**	1550 **3,400**
–3.0 m **–10'**			*7800 ***17,200**	5300 **11,700**	4200 **9,200**	2750 **6,100**					3000 **6,600**	2000 **4,400**
–4.6 m **–15'**			*5050 ***11,100**	*5050 ***11,100**								

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

STANDARD EQUIPMENT

- Alternator, 35 Ampere, 24 V
- AM/FM radio
- Auto-decel
- Automatic air conditioner with defroster
- Automatic engine warm-up system
- Batteries, 110 Ah/2 x 12 V
- Boom holding valve
- Cab
- Corrosion resistor
- Counterweight, 2455 kg **5,412 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA4D95LE-5
- Engine overheat prevention system
- Fan guard structure
- Fuel system pre-filter with water separator
- High pressure in-line filter
- Hydraulic track adjusters (each side)
- KOMTRAX®
- Mirrors: Front underview and rearview (RH, LH, sidewise)
- Multi-function color monitor
- Pattern change valve
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dust proof net
- Rear reflectors
- Rear view monitoring system
- Seat belt, retractable 76 mm **3"** wide
- Service valve
- Slip resistant plates
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Suspension seat
- Track rollers: 7 each side
- Track roller guards (center section)
- Track shoes: 600 mm **24"** triple grouser
- Travel alarm
- Working lights, 2 (boom and RH)
- Working mode selection system

OPTIONAL EQUIPMENT

- Arm assembly
  —2500 mm **8'2"**
- Bolt-on top guard, (Operator Protective Guard Level 2)
- Boom, 4600 mm **15'1"**
- Cab front guard
  —Full height guard (Level 1)
  —Full height guard (Level 2)
- Track frame undercover

AESS781-00 ©2008 Komatsu America Corp. Printed in USA D07(5M)C 7/08 (EV-1)

KOMATSU®

www.KomatsuAmerica.com

Komatsu America Corp. is an authorized licensee of Komatsu Ltd.
Materials and specifications are subject to change without notice
KOMATSU® is a registered trademark of Komatsu Ltd., Japan
KOMTRAX® is a registered trademark of Komatsu America Corp.