KOMATSU

PC130LC-11

Tier 4 final engine

General machine information

Net horsepower	97.2 HP @ 2,050 rpm	72.5 kW @ 2,050 rpm
Operating weight	28,440 lb - 29,101 lb	12,900 kg - 13,200 kg
Bucket capacity	0.34 - 0.78 yd^3	0.26 - 0.60 m^3

Features and benefits

A powerful Komatsu SAA4D95LE-7 engine provides a net output of 72.5 kW 97.2 HP. This engine is EPA Tier 4 Final emissions certified.

New longer undercarriage design increases track length by 8%, improving lifting capacity by 20% versus the previous model. This new design also increases stability and can help to boost overall productivity.

Variable flow turbocharger improves engine response and provides optimum air flow under all speed and load conditions.

Komatsu diesel oxidation catalyst (KDOC) reduces particulate matter using passive regeneration over 98% of the time.

Selective catalytic reduction (SCR) reduces NOx and has easy to access components.

Komatsu auto idle shutdown helps reduce nonproductive engine idle time and reduces operating costs.

Komatsu's closed-center load sensing system (CLSS) provides quick response and smooth operation to help maximize productivity.

Enhanced working modes are designed to match engine speed, pump delivery, and system pressure to the application.

Temperature-controlled fan clutch helps improve fuel efficiency and lower sound levels.

Large LCD color monitor panel:

- 7" high resolution screen
- Provides guidance for fuel-efficient operation
- Enhanced attachment control

Aux jack and one 12V outlet for audio devices and accessories. Bluetooth radio functionality included.

Rearview monitoring system (standard) promotes zero harm.

Equipment management monitoring system (EMMS) continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Enhanced working environment

- Integrated ROPS cab design (ISO 12117-2)
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard (ISO 10262)

High performance in a lightweight package

A powerful engine and heavy-duty work equipment provide exceptional performance in an easy to transport package. A conventional cab provides a quiet, comfortable, and spacious work environment.

Wide access service doors provide easy access for ground level maintenance.

Komatsu designed and manufactured components are engineered for performance and reliability.

New engine and hydraulic control technology improves operational efficiency and lowers fuel consumption by up to 12% compared to the previous generation.

New quick return arm valve improves arm cylinder hydraulic flow for faster arm out speed and performance.

Handrails (standard) provides convenient access to the upper structure.

Battery disconnect switch allows a technician to disconnect the powersupply before servicing the machine.

The Komtrax® telematics system is standard on Komatsu equipment with no subscription fees throughout the life of the machine. Using the latest wireless technology, Komtrax transmits valuable information such as location, utilization, and maintenance records to a PC or smartphone app. Custom machine reports are provided for identifying machine efficiency and operating trends. Komtrax also provides advanced machine troubleshooting capabilities by continuously monitoring machine health.

Specifications

Engine

Model		Komatsu SAA4D95LE-7*
Type		Water-cooled, 4-cycle, direct injection
Aspiration		Variable flow, turbocharged, air-to-air aftercooled
Number of cylinders		4
Bore	95 mm	3.74"
Stroke	115 mm	4.53"
Piston displacement	3.26 L	199 in^3
Horsepower		
SAE J1995 (gross)	72.6 kW	97.3 HP
ISO 9249/SAE J1349 (net)	72.5 kW	97.2 HP
Rated rpm		2,050 rpm
Fan at maximum speed (net)	67.8 kW	90.9 HP
Fan drive method for radiator cooling		Mechanical with viscous clutch
Governor		All-speed control, electronic

*U.S. EPA Tier 4 final emission certified

Hydraulics

Type			HydrauMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valve and pressure compensated valve
Number of selectable working modes			6
Main pump			
Type			Variable capacity piston type
Pump for			Boom, arm, bucket, swing, and travel circuits
Maximum flow	242 ltr/min		64 gal/min
Hydraulic motors			
Travel	2 x piston motor with parking brake		
Swing	1 x piston motor with swing holding brake		
Relief valve setting			
Implement circuits	34.8 MPa	355 kgf/cm^2	5,050 psi
Travel circuit	34.8 MPa	355 kgf/cm^2	5,050 psi
Swing circuit	39.2 MPa	298 kgf/cm^2	4,240 psi
Pilot circuit	3.2 MPa	33 kgf/cm^2	470 psi
Maximum Auxiliary Flow (at 250 kgf/cm^2 3,553 psi)*	242 ltr/min		64 gal/min
Number of hydraulic cylinders – bore x stroke x rod diameter	115 mm		4.53"
Boom (2)	105 mm x 995 mm x 70 mm		4" x 39" x 3"
Arm (1)	115 mm x 1,175 mm x 75 mm		5" x 46" x 3"
Bucket (1)	95 mm x 885 mm x 65 mm		4" x 35" x 3"

*Auxiliary flow is adjustable through the monitor

Drive and brakes

Steering control			HydrauMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valve and pressure compensated valve
Drive method			6
Maximum drawbar pull	123 kN	12,500 kgf	27,560 lbf
Gradeability			Variable capacity piston type
Maximum travel speed (auto-shift)			Boom, arm, bucket, swing, and travel circuits
High	5.5 kph		3.4 mph
Low	2/9 kph		1.8 mph
Service brake			Hydraulic lock
Parking brake			Wet, multiple-disc

Swing system

Driven by		Hydraulic motor
Dwing reduction		Planetary gear
Swing circle lubrication		Grease-bathed
Service brake		Hydraulic lock
Swing lock		Wet, multiple-disc brake
Swing speed		11.0 rpm
Swing torque	2,991 kg-m	21,627 ft.-lbs.

Undercarriage

Driven by	X-frame leg
Track frame	Box-section
Track type	Sealed track
Track adjuster	Hydraulic
Number of shoes (each side)	46
Number of carrier rollers (each side)	2
Number of track rollers (each side)	8

Sound Performance

Exterior – ISO 6395	101 dB(A)
Operator – ISO 6395	71 dB(A)

Coolant & lubricant capacity (refilling)

Fuel tank	250 L	66 US gal
Coolant	17.7 L	4.6 US gal
Engine	11.5 L	3.0 US gal
Final drive, each side	2.1 L	.55 US gal
Swing drive	2.5 L	.7 US gal
Hydraulic tank	69.0 L	18.2 US gal
DEF tank	21.1 L	5.6 US gal

Operating weight (approximate)

Operating weight includes 4 600 mm 15'1" one-piece boom, 2 500 mm 8'2" arm, SAE heaped 0.51 m3 0.67 yd3 backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment

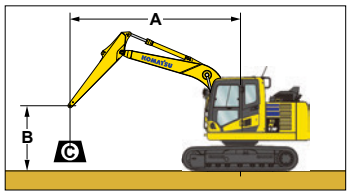
Grouser	Operating weight	Ground pressure ISO16754
500 mm, 20" Road liner	12,900 kg 28,440 lb	37.3 kPa / 0.38 kg/cm^2 5.40 psi
600 mm, 24" Triple	13,000 kg 28,660 lb	31.3 kPa / 0.32 kg/cm^2 4.54 psi
700 mm, 28" Triple	13,200 kg 29,101 lb	27.2 kPa / 0.28 kg/cm^2 3.95 psi

Component weights

Arm, including bucket cylinder and linkage		
2500 mm 8'2" arm assembly	529 kg	1,164 lb
2500 mm 8'2" arm assembly w/piping	558 kg	1,228 lb
One piece boom including arm cylinder		
4600 mm 15'1" boom	809 kg	1,783 lb
Counterweight	1,850 kg	4,078 lb
Bucket (0.51 m^3 0.67 yd^3 762 mm 30" width)	517 kg	1,140 lb

Photos may include optional equipment.

Lift capacities 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

Conditions:

- 4600 mm 15′ 1″ one-piece boom
- Counterweight (total mass): 1,850 kg / 4,070 lb
- Bucket: none
- Lifting mode: on

Specification: 4,600 mm boom, 2,500 mm arm, bucketless (no bucket link, no bucket cylinder), no ATT piping, **500 mm shoe (road liner)**

Unit: **lb** kg

A / B	MAX	MAX		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m		5′ 1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
20′ 6.1 m	**18′** 5.6 m	* **5,320** 2,410	* **5,320** 2,410					* **7,560** 3,420	* **7,560** 3,420				
15′ 4.6 m	**22′** 6.6 m	* **4,990** 2,260	**4,640** 2,100			* **7,900** 3,580	**5,280** 2,390	* **7,920** 3,590	* **7,920** 3,590				
10′ 3.0 m	**23′** 7.1 m	* **5,010** 2,270	**4,050** 1,830			**8,050** 3,650	**5,160** 2,340	* **9,680** 4,390	**7,890** 3,580	* **12,770** 5,790	* **12,770** 5,790		
5′ 1.5 m	**24′** 7.3 m	* **5,300** 2,400	**3,820** 1,730			**7,820** 3,550	**4,960** 2,250	* **12,000** 5,440	**7,400** 3,350	* **18,300** 8,300	**13,310** 6,030		
0′ 0 m	**23′** 7.1 m	* **5,930** 2,690	**3,870** 1,750			**7,630** 3,460	**4,780** 2,170	**11,690** 5,300	**7,040** 3,190	* **16,140** 7,320	**12,520** 5,680		
-5′ -1.5 m	**22′** 6.6 m	**6,750** 3,060	**4,240** 1,920			**7,540** 3,420	**4,700** 2,130	**11,510** 5,220	**6,880** 3,120	* **20,520** 9,300	**12,420** 5,630	* **9,820** 4,450	* **9,820** 4,450
-10′ -3.0 m	**18′** 5.6 m	**8,500** 3,850	**5,270** 2,390					**11,580** 5,250	**6,940** 3,140	* **17,740** 8,040	**12,600** 5,710	* **21,400** 9,700	* **21,400** 9,700
-15′ -4.6 m													

Specification: 4,600 mm boom, 2,500 mm arm, bucketless (no bucket link, no bucket cylinder), no ATT piping, **600mm shoe (triple grouser)**

Unit: **lb** kg

A / B	MAX	MAX		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m		5′ 1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
20′ 6.1 m	**18′** 5.6 m	* **5,340** 2,420	* **5,340** 2,420					* **7,570** 3,430	* **7,570** 3,430				
15′ 4.6 m	**22′** 6.6 m	* **5,000** 2,260	**4,730** 2,140			* **7,890** 3,580	**5,340** 2,420	* **7,870** 3,570	* **7,870** 3,570				
10′ 3.0 m	**23′** 7.1 m	* **5,000** 2,270	**4,020** 1,870			**8,160** 3,700	**5,230** 2,370	* **9,590** 4,350	**8,000** 3,630	* **12,480** 5,660	* **12,480** 5,660		
5′ 1.5 m	**24′** 7.3 m	* **5,280** 2,390	**3,880** 1,760			**7,940** 3,600	**5,030** 2,280	* **11,910** 5,400	**7,510** 3,400	* **18,090** 8,200	**13,520** 6,130		
0′ 0 m	**23′** 7.1 m	* **5,890** 2,670	**3,810** 1,770			**7,740** 3,510	**4,850** 2,200	**11,860** 5,380	**7,140** 3,230	* **16,090** 7,290	**12,690** 5,750		
-5′ -1.5 m	**22′** 6.6 m	**6,800** 3,080	**4,270** 1,940			**7,640** 3,460	**4,700** 2,160	**11,670** 5,290	**6,970** 3,160	* **20,590** 9,330	**12,570** 5,700	* **9,470** 4,290	* **9,470** 4,290
-10′ -3.0 m	**19′** 5.7 m	**8,500** 3,850	**5,270** 2,390					**11,720** 5,310	**7,020** 3,180	* **17,910** 8,120	**12,750** 5,780	* **20,880** 9,470	* **20,880** 9,470
-15′ -4.6 m										* **11,820** 5,360	* **11,820** 5,360		

Specification: 4,600 mm boom, 2,500 mm arm, bucketless (no bucket link, no bucket cylinder), no ATT piping, **700mm shoe (triple grouser)**

Unit: **lb** kg

A / B	MAX	MAX		25′ 7.6 m		20′ 6.1 m		15′ 4.6 m		10′ 3.0 m		5′ 1.5 m	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
20′ 6.1 m	**18′** 5.6 m	* **5,340** 2,420	* **5,340** 2,420					* **7,570** 3,430	* **7,570** 3,430				
15′ 4.6 m	**22′** 6.6 m	* **5,000** 2,260	**4,800** 2,170			* **7,890** 3,580	**5,410** 2,450	* **7,870** 3,570	* **7,870** 3,570				
10′ 3.0 m	**23′** 7.1 m	* **5,000** 2,270	**4,180** 1,890			**8,270** 3,750	**5,300** 2,400	* **9,590** 4,350	**8,100** 3,670	* **12,480** 5,660	* **12,480** 5,660		
5′ 1.5 m	**24′** 7.3 m	* **5,280** 2,390	**3,940** 1,780			**8,050** 3,650	**5,100** 2,310	* **11,910** 5,400	**7,610** 3,450	* **18,090** 8,200	**13,700** 6,210		
0′ 0 m	**23′** 7.1 m	* **5,890** 2,670	**3,970** 1,800			**7,850** 3,560	**4,920** 2,230	**12,030** 5,450	**7,240** 3,280	* **16,090** 7,290	**12,870** 5,830		
-5′ -1.5 m	**22′** 6.6 m	**6,900** 3,130	**4,330** 1,960			**7,760** 3,520	**4,830** 2,190	**11,840** 5,370	**7,070** 3,210	* **20,590** 9,330	**12,750** 5,780	* **9,470** 4,290	* **9,470** 4,290
-10′ -3.0 m	**19′** 5.7 m	**8,620** 3,910	**5,340** 2,420					**11,890** 5,390	**7,120** 3,230	* **17,910** 8,120	**12,920** 5,860	* **20,880** 9,470	* **20,880** 9,470
-15′ -4.6 m										* **11,820** 5,360	* **11,820** 5,360		

*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 85% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capabilities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.