KOMATSU

PC130LC-11

hydraulic excavator

Photo may include optional equipment

Net horsepower
97.2 HP (72.5 kW) @ 2,050 rpm

Operating weight
28,440-29,101 lb
(12,900-13,200 kg)

Bucket capacity
0.34-0.78 yd^3 (0.26-0.60 m^3)


KOMATSU
PC
130LC

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 model was designed to increase stability and help to boost overall productivity.

Variable flow turbocharger improves engine response and provides excellent 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.

Auto idle shutdown is designed to help reduce nonproductive engine idle time to help reduce operating costs.

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 to help support 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.

LED lights are standard equipment for enhanced operator visibility.

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.

Performance features

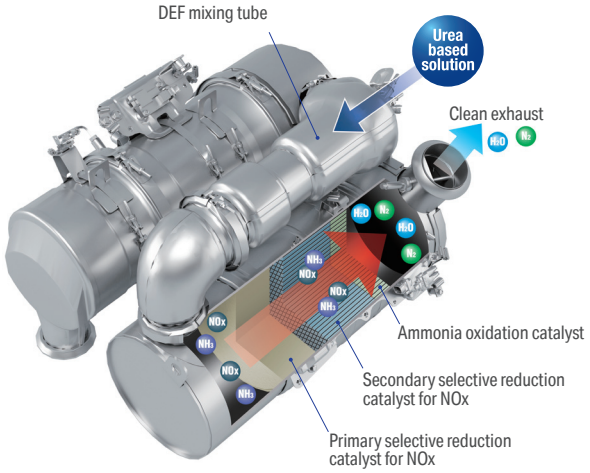
New Tier 4 Final engine

New regulations require the reduction of NOx emissions to one tenth or below from the preceding regulations. The selective catalytic reduction (SCR) device in the PC130LC-11 reduces NOx emissions in diesel engines.

Technologies applied to new engine

Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Oxidation Catalyst (KDOC) and SCR. The SCR NOx reduction system injects the correct amount of diesel exhaust fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water (H_2O) and nitrogen gas (N_2).

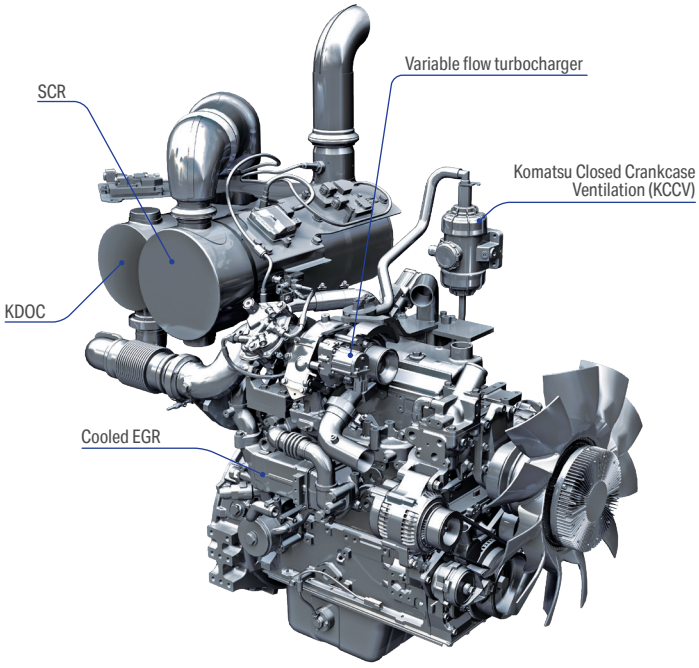


Heavy-duty cooled exhaust gas recirculation (EGR) system

The system recirculates a portion of exhaust gas into air intake and lowers combustion temperatures to reduce NOx emissions. Furthermore, while EGR gas flow is increased, by incorporating a high-efficiency and compactly designed cooling system, the system achieves a dynamic reduction of NOx, while helping reduce fuel consumption.

High pressure common rail (HPCR) fuel injection system

High pressure fuel injection with computerized control attains close to complete combustion reducing particulate matter (PM) emissions. While this technology is already used in current engines, the new system uses a higher-pressure injection, thereby reducing both PM emissions and fuel consumption at all engine load conditions.

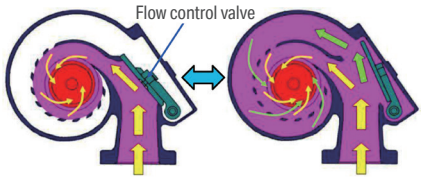


Advanced electronic control system

The electronic control system performs high-speed processing of all signals from sensors installed in the machine providing total control of equipment in all operating conditions of use. Engine condition information is displayed via an onboard network to the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via Komtrax helps customers keep up with required maintenance.

Variable flow turbocharger

A variable flow turbocharger features simple and reliable technology that varies the intake air-flow. The exhaust turbine speed is controlled by a flow control valve that optimizes air volume to the engine combustion chamber under all engine speed and load conditions. The result is cleaner exhaust gas while maintaining power and performance.



Reduced fuel consumption
Compared to the previous model, fuel consumption is reduced up to 12% by using a temperature controlled viscous fan clutch and improved engine and hydraulic system efficiencies.

Reduced by up to 12%

Based on typical work pattern collected via Komtrax. The fuel consumption reduction may be less than the above value during actual work, depending on the application. The fuel consumption data is based on in-house test results. *Compared to the PC130-8*

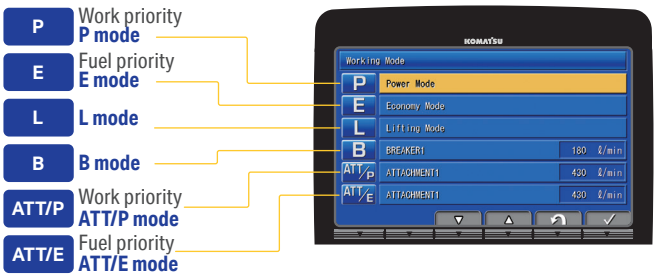
Auto idle shutdown
The auto idle shutdown feature automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The countdown to engine shutdown can be easily programmed from five to 60 minutes.

Efficient hydraulic system
The PC130LC-11 uses a closed-center load sensing system (CLSS) that improves fuel efficiency and provides quick response to the operator's demands. The control system matches engine and hydraulic demand at the most efficient point under any load condition. There have also been improvements in the main valve and hydraulic circuit to reduce hydraulic loss, resulting in higher efficiency and lower fuel consumption.

Viscous fan clutch
Reduces engine load at lower operating temperatures.

Working mode selection
The PC130LC-11 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC130LC-11 features an attachment mode (ATT/E) that allows operators to run attachments while in Economy mode.

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	• Increases hydraulic pressure
B	Breaker mode	• Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	• Optimum engine rpm, hydraulic flow 2-Way • Power mode
ATT/E	Attachment Economy mode	• Optimum engine rpm, hydraulic flow 2-Way • Economy mode



Working environment

Automatic air conditioner

The automatic air conditioner allows the operator to easily and precisely set the cab atmosphere using the large LCD color monitor panel. The bi-level control function improves air flow and keeps the inside of the cab comfortable throughout the year.

Auxiliary input jack

Connecting an auxiliary device such as an MP3 player to the auxiliary input enables the operator to hear the sound throughout the stereo speakers installed in the cab.

Low cab noise

Standard equipment

Automatic air conditioner (A/C)

Pull-up front window

Opening and closing skylight

Cab light

AM/FM radio with BlueTooth

Windshield glass with excellent UV filtering

Literature box

Remote intermittent wiper with windshield washer

Defroster (conforms to the ISO standard)

Cup holder

12 V power supply

Large high-resolution liquid crystal display (LCD) monitor

New monitor panel interface design

An updated large high-resolution LCD color monitor enables accurate and smooth work. The interface has been redesigned to display key machine information in a new user friendly interface. A rear view camera and a DEF level gauge display have been added to the default main screen. The interface has a function that enables the main screen mode to be changed to provide the optimum screen information for the operator.

Indicators

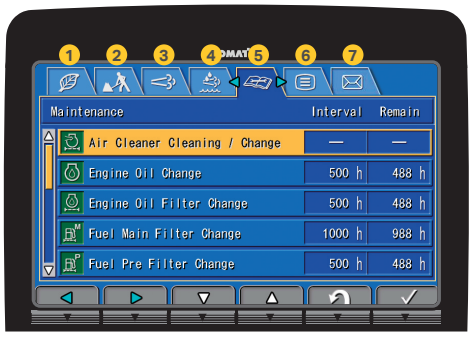
1. Auto-decelerator
2. Working mode
3. Travel speed
4. Ecology gauge
5. Camera display
6. Engine coolant temperature gauge
7. Hydraulic oil temperature gauge
8. Fuel gauge
9. DEF level gauge
10. Service meter, clock
11. Fuel consumption gauge
12. Guidance icon
13. Function switches
14. Camera direction display
15. DEF level caution lamp

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Travel speed selector
4. Buzzer cancel
5. Wiper
6. Window washer
7. Auto climate controls

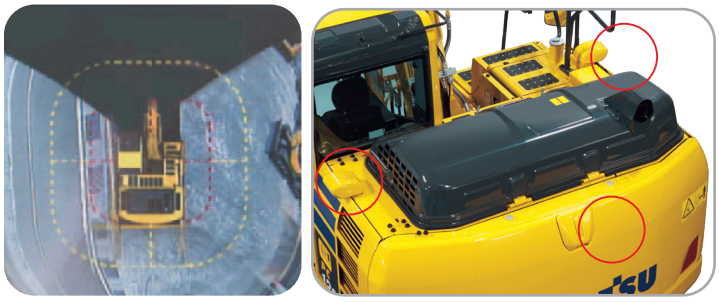
Visual user menu

Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated easily.



1. Energy saving guidance
2. Machine settings
3. Aftertreatment device regeneration*
4. SCR information
5. Maintenance
6. Monitor setting
7. Message check

*Blank screen, does not apply to SAA4D95LE-7.
The KDOC is 100% passive regeneration.



KomVision (optional)

An optional three camera system provides a bird's eye view (including cab visibility) of the machine and surrounding area. A second display with selectable individual camera views of the left, rear and right side is easily changed using the F4 button. This system is designed to help improve operation and situational awareness on the jobsite.

Maintenance features

Standard high-efficiency fuel filter and fuel pre-filter with water separator
A high-efficiency fuel filter and a fuel pre-filter with water separator increase reliability. The fuel pre-filter is equipped with a priming pump.

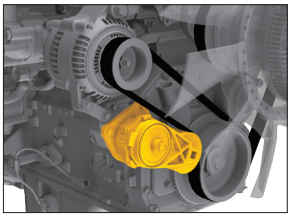
Easy access to engine oil filter, engine main fuel filter and fuel drain valve
The engine oil filter, engine main fuel filter and fuel drain valve are remote mounted to improve accessibility.


Engine oil filter


Fuel drain valve

Battery disconnect switch
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.

Fan belt auto-tensioner
For maintenance free fan belt tension adjustment.

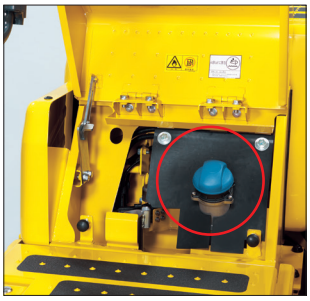


Large toolbox
A toolbox large enough for storing a grease gun is standard.

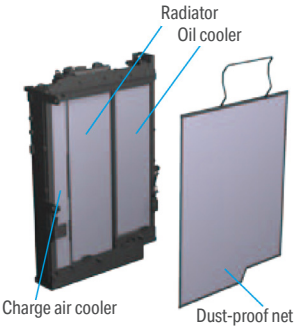
Attachment circuit filter
An easy access filter protects the hydraulic system from attachment contaminants (included with factory + one attachment piping).

A/C filter
The A/C, cab air filter is serviced without the use of tools.

DEF tank and pump
Designed for ground level access, the DEF tank includes a sight glass gauge and the DEF pump and filter are conveniently located next to the DEF tank.



Side-by-side cooling
The radiator and oil cooler are side-by side modules which simplifies cleaning, removal and installation. The addition of screens help keep the cooler cores clean and free of debris.



Easy-to-clean cab floor mat
The PC130LC-11's surface grooves run parallel to the operator and has a flanged edge combined with drainage holes to allow water run off when cleaning the cab.

Long-life oil, filter

Engine oil and engine oil filter	every **500** hours
Hydraulic oil	every **5,000** hours
Hydraulic oil filter	every **1,000** hours


Hydraulic oil filter
(Ecology white plus element)

Maintenance features

"Maintenance time caution lamp" display
When the remaining time to maintenance becomes less than 30 hours* a maintenance time monitor appears.

*The settings can be changed to between 10 and 200 hours.

Maintenance screen

Aftertreatment device automatic regeneration display
When performing automatic regeneration to clean any urea deposits in the exhaust system, the monitor will display an action icon to the operator. There is no interruption to the operation of the machine during this cycle.

Aftertreatment device regeneration screen

DEF level and refill timing
The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when the DEF level is low, DEF low level guidance messages appear as pop up displays to inform the operator.

*The 2014 standards for exhaust gases stipulates that when DEF level becomes low the engine must derate.

DEF level gauge

DEF low level guidance

All comparisons made are to the prior model unless otherwise specifically stated

Komatsu helps you bring it all together

Get the most out of your fleet with My Komatsu

We've designed a portal that makes it easy to collect, visualize and monitor data for both Komatsu machines and other OEM machines. My Komatsu also gives you one easy source for accessing manuals and purchasing parts for your machines.

- Quickly collect, view and manage intuitive data displays in one location
- Help keep costs under control
- Benchmark machine performance and track fuel consumption
- Monitor for theft and unauthorized use
- Receive timely maintenance alerts

My Komatsu, our comprehensive portal, analyzes telematics data from your on-machine technology — Komtrax, Komtrax Plus or from other OEMs — and displays it on easy-to-read dashboards. Now you can get the powerful analytics you need to manage your costs and enhance your fleet's efficiency without a complicated process or expensive third-party solutions.

Data
Telematics data is generated by on-machine technology.

Storage
Telematics data flows into data storage. ISO 15143-3 (AEMP 2.0) facilitates the extraction and raw data to your choice of databases.

Connection
Choose how you want to connect and view your data. Go to multiple systems, send to a third party or easily connect it all through My Komatsu.

Analytics
My Komatsu connects telematics data from Komatsu and non-Komatsu equipment and creates powerful analytics dashboard views.

mykomatsu.komatsu

Connect your machines to Smart Construction to optimize your job sites

Your projects depend on robust data that is easily shared, replicated, updated and — most important of all — correct.

Take a step toward a digital transformation of your job sites with Komatsu's suite of Smart Construction solutions, where advanced automation and integrated technologies intersect to help you:

- Track costs of labor, machines and materials
- Receive real-time insights straight from the field
- Enhance workflow with fully integrated data
- Visualize your data for actionable results
- Quickly map your job site
- Attract and retain talent

Not sure where to begin? Komatsu-certified solution experts are available on the phone, online or at your job site to help you navigate and thrive along your digitalization journey.

komatsu.com/smart-construction

Komatsu maintenance and repair programs

Get the service and repairs you need your way. Komatsu offers a tiered maintenance and repair program that simplifies the upkeep of your machine to help control operating costs and get the most from your equipment. Manage your active coverage programs through the My Komatsu customer interface and take advantage of attractive financing options.

- Solutions that fit your needs and ease your mind
- Fixed maintenance and repair costs for the life of the contract
- National coverage

Komatsu Care Complimentary
Complimentary maintenance

Our complimentary scheduled maintenance program for the first three years or 2,000 hours, whichever occurs first.

Komatsu Care Plus
Extended maintenance

A continuation of the Komatsu Care program. Along with regularly scheduled maintenance and national distributor coverage, you get a variety of added benefits.

Komatsu Care Plus II
Extended maintenance and repair

Everything in the Komatsu Care Plus program bundled with comprehensive repair coverage for qualifying repairs.

Komatsu Care Plus III
Extended maintenance, repair and consumables

A comprehensive program that simplifies your equipment's total cost of ownership with a fixed cost per hour for qualifying repairs and replacements.

Komatsu Care Advantage Warranty
Extended warranty

Protect your equipment in the event a covered component fails due to a defect in material or workmanship. Repairs are performed by Komatsu-trained experts using Komatsu genuine parts.

komatsu.com/maintenance-repair

Komatsu Financial

Financing can be a major advantage for your operation, enabling you to get the equipment and service you need with terms to fit your business needs. Komatsu Financial offers services built for your business success.

komatsu.com/financing

Komatsu Genuine Parts

Engineered to help extend the life of your Komatsu machine. Now available on the My Komatsu parts store.

komatsu.com/parts

Komatsu training

Comprehensive training support — virtually, at our facility or where most convenient.

komatsu.com/training

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			Fully hydrostatic
Maximum drawbar pull	123 kN	12,500 kgf	27,560 lbf
Gradeability			70%, 35°
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
Swing 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 6396	71 dB(A)

Coolant and 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)

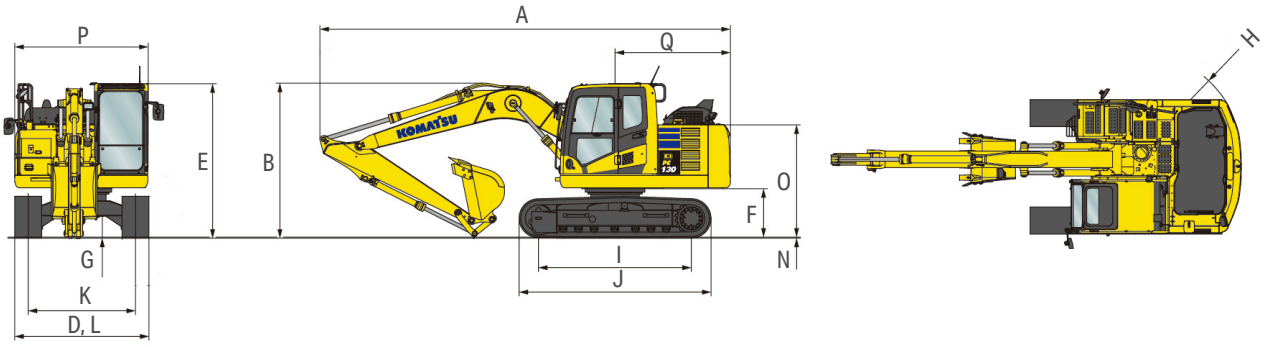
Operating weight includes 4 600 mm 15'1" one-piece boom, 2 500 mm 8'2" arm, SAE heaped 0.51 m3 0.67 yd3 backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment

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		
8'2" (2,500 mm) arm assembly	529 kg	1,164 lb
8'2" (2,500 mm) arm assembly w/piping	558 kg	1,228 lb
9'10" (3,000 mm) arm assembly	656 kg	1,446 lb
9'10" (3,000 mm) arm assembly w/piping	690 kg	1,522 lb
One piece boom including arm cylinder		
4,600 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

Dimensions



Machine dimensions

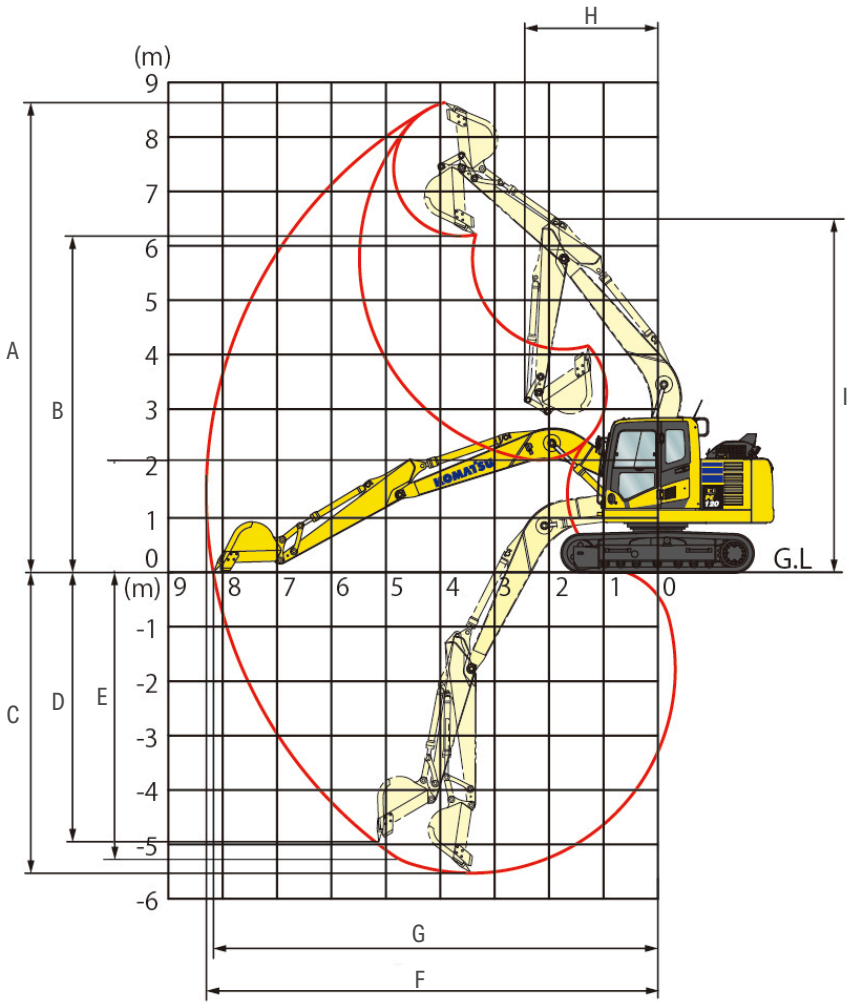
	Arm length	8'2" (2,500 mm)	9'10" (3,000 mm)
	Boom length	15'1" (4,600 mm)	15'1" (4,600 mm)
A	Overall length	25'0" 7,620 mm)	24'8" (7,515 mm)
B	Overall height (to top of boom)*	9'5" (2,875 mm)	10'6" (3,190 mm)
D	Overall width	8'10" (2,690 mm)	8'10" (2,690 mm)
E	Overall height (to top of cab)*	9'4" (2,860 mm)	9'4" (2,860 mm)
F	Ground clearance, counterweight	2'11" (900 mm)	2'11" (900 mm)
G	Ground clearance, minimum	1'4" (395 mm)	1'4" (395 mm)
H	Tail swing radius	7'3' (2,210 mm)	7'3' (2,210 mm)
I	Track length on ground	9'5" (2,880 mm)	9'5" (2,880 mm)

J	Track length	11'10" (3,610 mm)	11'10" (3,610 mm)
K	Track guage	6'6" (1,990 mm)	6'6" (1,990 mm)
L	Width of crawler for 20" (500 mm) shoe Width fo crawler for 24" (600 mm) shoe Width of crawler for 27.5" (700 mm) shoe	8'2" (2,490 mm) 8'6" (2,590 mm) 8'10" (2,690 mm)	8'2" (2,490 mm) 8'6" (2,590 mm) 8'10" (2,690 mm)
N	Grouser height	0.8" (20 mm)	0.8" (20 mm)
O	Machine height to top of counterweight	6'10" (2,080 mm)	6'10" (2,080 mm)
P	Machine upper width	8'2" (2,480 mm)	8'2" (2,480 mm)
Q	Distance, swing center to rear end	7'0" (2,140 mm)	7'0" (2,140 mm)

Bucket type	Bucket capacity	Bucekt width	Bucket weight	Arms (8'2", 2.5 m)	Arms (9'10", 3.0 m)
Komatsu TL	0.34 yd³ (0.26 m³)	18" (457 mm)	732 lb. (332 kg)	V	V
	0.50 yd³ (0.38 m³)	24" (610 mm)	853 lb. (387 kg)	V	V
	0.67 yd³ (0.51 m³)	30" (762 mm)	963 lb. (437 kg)	V	W
	0.83 yd³ (0.63 m³)	36" (914 mm)	1,099 lb. (499 kg)	W	Y
	1.00 yd³ (0.76 m³)	42" (1,067 mm)	1,232 lb. (559 kg)	X	Z
Komatsu HP	0.34 yd³ (0.26 m³)	18" (457 mm)	836 lb. (379 kg)	V	V
	0.40 yd³ (0.31 m³)	20" (508 mm)	873 lb. (396 kg)	V	V
	0.50 yd³ (0.38 m³)	24" (610 mm)	1,007 lb. (457 kg)	V	V
	0.67 yd³ (0.51 m³)	30" (762 mm)	1,140 lb. (517 kg)	V	W
	0.83 yd³ (0.63 m³)	36" (914 mm)	1,303 lb. (591 kg)	W	Y
	1.00 yd³ (0.76 m³)	42" (1,067 mm)	1,464 lb. (664 kg)	Y	Z
Komatsu HPS	0.34 yd³ (0.26 m³)	18" (457 mm)	895 lb. (406 kg)	V	V
	0.40 yd³ (0.31 m³)	20" (508 mm)	939 lb. (426 kg)	V	V
	0.50 yd³ (0.38 m³)	24" (610 mm)	1,086 lb. (493 kg)	V	V
	0.67 yd³ (0.51 m³)	30" (762 mm)	1,240 lb. (562 kg)	V	X
	0.83 yd³ (0.63 m³)	36" (914 mm)	1,423 lb. (645 kg)	X	Y
	1.00 yd³ (0.76 m³)	42" (1,067 mm)	1,605 lb. (728 kg)	Y	Z

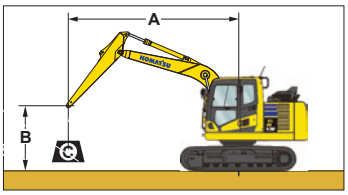
V - Used with material weights up to 3,500 lb/yd³
W - Used with material weights up to 3,000 lb/yd³
X - Used with material weights up to 2,500 lb/yd³
Y - Used with material weights up to 2,000 lb/yd³
Z - Not useable

Working range



Specifications		8'2" (2,500 mm)	9'10" (3,000 mm)
A	Max. digging height	28'5" (8,650 mm)	29'4" (8,930 mm)
B	Max. dumping height	20'4" (6,210 mm)	21'8" (6,615 mm)
C	Max. digging depth	18'1" (5,520 mm)	19'6" (5,955 mm)
D	Max. vertical wall digging depth	16'4" (4,980 mm)	17'7" (5,365 mm)
E	Max. digging depth of cut for 8' (2.44 m) level bottom	17'5" (5,320 mm)	18'9" (5,760 mm)
F	Max. digging reach	27'2" (8,290 mm)	28'7" (8,720 mm)
G	Max. digging reach at ground level	26'10" (8,170 mm)	28'2" (8,595 mm)
H	Min. swing radius	8'0" (2,450 mm)	8'7" (2,620 mm)
I	Max. height at min. swing radius	21'4" (6,495 mm)	21'4" (6,495 mm)
SAE rating	Bucket digging force	80. 9 kN (18,190 lb./8,250 kgf)	80.9 kN (18,190 lb./8,250 kgf)
	Arm crowd force	64.5 kM (14,510 lb./6,580 kgf)	51.8 kN (11,650 lb./5,290 kgf)
ISO rating	Bucket digging force	93.4 kN (21,000 lb./9,520 kgf)	93.4. kN (21,000 lb./9,520 kgf)
	Arm crowd force	67.5 kM (15,170 lb./6,880 kgf)	53.2 kN (11,960 lb./5,230 kgf)

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

	⨂ 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

	⨂ 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		

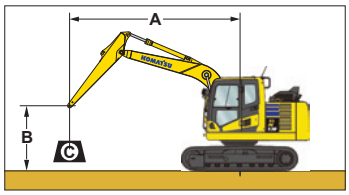
Specification: 4,600 mm boom, 2,500 mm arm, bucketless (no bucket link, no bucket cylinder), no ATT piping, **700mm shoe (triple grouser)**

Unit: **lb** kg

	⨂ 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.

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, 3,000 mm arm, bucketless (no bucket link, no bucket cylinder), **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	**20′** 6.2 m	* **4,640** 2,100	* **4,640** 2,100			* **5,230** 2,370	* **5,230** 2,370						
15′ 4.6 m	**23′** 7.1 m	* **4,380** 1,980	**4,310** 1,950			* **7,230** 3,280	**5,520** 2,500						
10′ 3.0 m	**25′** 7.6 m	* **4,370** 1,980	**3,820** 1,730	* **4,470** 2,030	**3,810** 1,730	* **7,900** 3,580	**5,380** 2,440	* **8,710** 3,950	**8,220** 3,730				
5′ 1.5 m	**25′** 7.8 m	* **4,570** 2,070	**3,620** 1,640	**5,800** 2,630	**3,740** 1,690	**8,060** 3,650	**5,150** 2,330	* **11,200** 5,080	**7,690** 3,490	* **16,300** 7,390	**13,940** 6,320		
0′ 0 m	**25′** 7.6 m	* **5,000** 2,270	**3,640** 1,650	**5,710** 2,590	**3,660** 1,660	**7,820** 3,550	**4,940** 2,240	**11,970** 5,430	**7,250** 3,290	* **19,100** 8,660	**12,860** 5,830		
-5′ -1.5 m	**24′** 7.2 m	* **5,840** 2,640	**3,910** 1,770			**7,680** 3,480	**4,810** 2,1830	**11,690** 5,300	**7,010** 3,180	* **20,580** 9,330	**12,510** 5,670	* **9,620** 4,360	* **9,620** 4,360
-10′ -3.0 m	**21′** 6.3 m	**7,350** 3,330	**4,620** 2,090			**7,690** 3,490	**4,820** 2,180	**11,670** 5,290	**6,990** 3,170	* **19,270** 8,740	**12,600** 5,710	* **17,150** 7,780	* **17,150** 7,780
-15′ -4.6 m	**16′** 4.8 m	* **8,410** 3,810	**6,710** 3,040					* **9,520** 4,320	**7,210** 3,270	***14,590** 6,610	**12,970** 5,880		

Specification: 4,600 mm boom, 3,000 mm arm, bucketless (no bucket link, no bucket cylinder), **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	**20′** 6.2 m	* **4,640** 2,100	* **4,640** 2,100			* **5,230** 2,370	* **5,230** 2,370						
15′ 4.6 m	**23′** 7.1 m	* **4,380** 1,980	**4,360** 1,970			* **7,230** 3,280	**5,590** 2,530						
10′ 3.0 m	**25′** 7.6 m	* **4,370** 1,980	**3,870** 1,750	* **4,470** 2,030	**3,860** 1,750	* **7,900** 3,580	**5,440** 2,470	* **8,710** 3,950	**8,310** 3,770				
5′ 1.5 m	**25′** 7.8 m	* **4,570** 2,070	**3,670** 1,660	**5,880** 2,660	**3,790** 1,720	**8,160** 3,700	**5,210** 2,360	* **11,200** 5,080	**7,780** 3,530	* **16,300** 7.390	**14,100** 6,390		
0′ 0 m	**25′** 7.6 m	* **5,000** 2,270	**3,690** 1,670	**5,790** 2,620	**3,700** 1,680	**7,930** 3,590	**5,000** 2,270	**12,130** 5,500	**7,340** 3,330	* **19,100** 8,660	**13,010** 5,900		
-5′ -1.5 m	**24′** 7.2 m	* **5,840** 2,640	**3,960** 1,940			**7,780** 3,530	**4,870** 2,210	**11,840** 5,370	**7,100** 3,220	* **20,580** 9,330	**12,670** 5,740	* **9,620** 4,360	* **9,620** 4,360
-10′ -3.0 m	**21′** 6.3 m	**7,450** 3,380	**4,680** 2,120			**7,790** 3,530	**4,880** 2,210	**11,820** 5,360	**7,080** 3,210	* **19,270** 8,740	**12,760** 5,780	* **17,150** 7,780	* **17,150** 7,780
-15′ -4.6 m	**16′** 4.8 m	* **8,410** 3,810	**6,790** 3,080					* **9,520** 4,320	* **7,300** 3,310	* **14,590** 6,610	**13,120** 5,950		

Specification: 4,600 mm boom, 3,000 mm arm, bucketless (no bucket link, no bucket cylinder), **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	**20′** 6.2 m	* **4,640** 2,100	* **4,640** 2,100			* **5,230** 2,370	* **5,230** 2,370						
15′ 4.6 m	**23′** 7.1 m	* **4,380** 1,980	* **4,380** 1,980			* **7,230** 3,280	**5,650** 2,560						
10′ 3.0 m	**25′** 7.6 m	* **4,370** 2,270	**3,920** 1,780	* **4,470** 2,030	**3,910** 1,770	* **7,900** 3,580	**5,510** 2,500	* **8,710** 3,950	**8,410** 3,810				
5′ 1.5 m	**25′** 7.8 m	* **4,570** 2,070	**3,720** 1,680	**5,960** 2,700	**3,840** 1,740	**8,270** 3,750	**5,280** 2,390	* **11,200** 5,080	**7,880** 3,570	* **16,300** 7,390	**14,280** 6,470		
0′ 0 m	**25′** 7.6 m	* **5,000** 2,270	**3,740** 1,690	**5,870** 2,660	**3,760** 1,700	**8,040** 3,640	**5,070** 2,300	**12,300** 5,580	**7,440** 3,370	* **19,100** 8,660	**13,190** 5,980		
-5′ -1.5 m	**24′** 7.2 m	* **5,840** 2,640	**4,020** 1,820			**7,890** 3,580	**4,940** 2,240	**12,010** 5,440	**7,200** 3,260	* **20,580** 9,330	**12,840** 5,820	* **9,620** 4,360	* **9,620** 4,360
-10′ -3.0 m	**21′** 6.3 m	**7,560** 3,420	**4,750** 2,150			**7,910** 3,580	**4,950** 2,240	**11,990** 5,440	**7,180** 3,250	* **19,270** 8,740	**12,930** 5,860	* **17,150** 7,780	* **17,150** 7,780
-15′ -4.6 m	**16′** 4.8 m	* **8,410** 3,810	**6,880** 3,120					* **9,520** 4,320	**7,400** 3,350	* **14,590** 6,610	**13,300** 6,030		

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Equipment

Engine and related components

Air cleaner, double element with auto dust evacuator	●
Cooling fan, viscous type	●
Debris guards for radiator and oil cooler	●
Engine, Komatsu SAA4D95LE-7	●
Engine overheat prevention system	●

Hydraulic system

Boom holding valve	●
Hydraulic control unit - 1 additional actuator (+1 hydraulics) with one and two-way flow	○

Electrical system

Alternator (24 V/60 A)	●
Auto-decelerator	●
Batteries (2x12 V/92 Ah)	●
Electric horn	●
Starter motor (24 V/4.5 kW)	●
LED working lights	●

Undercarriage

Shoes, 24" (600 mm) triple grouser	●
Shoes, 28" (700 mm) triple grouser 20" (500 mm) rubber roadliner	○

Guards and covers

Fan guard structure	●
Handrails	●
Pump/engine partition cover	●
Cab guard, Full front guard, OGP level 1 and 2 (ISO 10262) Bolt-on top guard, OPG level 2 (ISO 10262)	○

Other

Counterweight (total mass), 4,078 lb. (1,850 kg)	●
Equipment management monitoring system	●
Komtrax	●
Pattern change valve	●
Rear reflector	●
Travel alarm	●

Operator environment

2 x 12 V power points	●
Two way multi-control valve	●
24 V - 12 V power converter	●
Automatic A/C	●
Auto idle shutdown function	●
Auxiliary input jack	●
Cab includes: antenna, Bluetooth radio, floor mat, intermittent front windshield wiper and washer, larger ceiling hatch, pull-up front window, removable lower windshield	●
Foldable mirror (LH)	●
Large high resolution LCD monitor	●
Lock lever	●
Mirror (rear)	●
Operator identification function	●
Operator protective top guard, OPG level 1 (ISO 10262)	●
Rear view monitor system	●
ROPS cab (ISO 12117-2)	●
Seat belt, 3" (76 mm)	●
Suspension seat	●
Swing holding brake	●
Sunvisor	○
KomVision surround camera system	○

Work environment

Arms, 8'2" (2,500 mm) arm assembly 8'2" (2,500 mm) arm assembly with piping 9'10" (3,000 mm) arm assembly 9'10" (3,000 mm) arm assembly with piping	○
Booms, 15'1" (4,600 mm) boom assembly 15'1" (4,600 mm) boom assembly with piping	○

Standard equipment	●
Optional equipment	○

Notes

Notes

Product designs, specifications and/or data in this document are provided for informational purposes only and are not warranties of any kind. Product designs and/or specifications may be changed at any time without notice. The only warranties that apply to sales of products and services are Komatsu's standard written warranties, which will be furnished upon request.

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