

# KOMATSU®

## PC130-11

Tier 4 Final Engine

### HYDRAULIC EXCAVATOR



Photos may include optional equipment.

#### NET HORSEPOWER

97.2 HP @ 2050 rpm  
72.5 kW @ 2050 rpm

#### OPERATING WEIGHT

28,604 lb - 28,660 lb  
12730 kg - 13000 kg

#### BUCKET CAPACITY

0.34– 0.78 yd<sup>3</sup>  
0.26–0.60 m<sup>3</sup>

# PC130

# WALK-AROUND

PC130-11



Photos may include optional equipment.

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0.34– 0.78 yd<sup>3</sup>  
0.26–0.60 m<sup>3</sup>



## HIGH PERFORMANCE IN A LIGHT WEIGHT 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.

**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.

**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 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 "Ecology-Guidance" for fuel efficient operation
- Enhanced attachment control

### Aux jack and (1) 12V outlets

### Rearview monitoring system (standard)

**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)



Photos may include optional equipment.

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

### Komatsu designed and manufactured components

**New engine and hydraulic control technology** improves operational efficiency and lowers fuel consumption by up to 12%.

**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 power supply before servicing the machine.

The **KOMTRAX®** telematics system is standard on Komatsu equipment with no subscription-fee's 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 smart-phone 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.

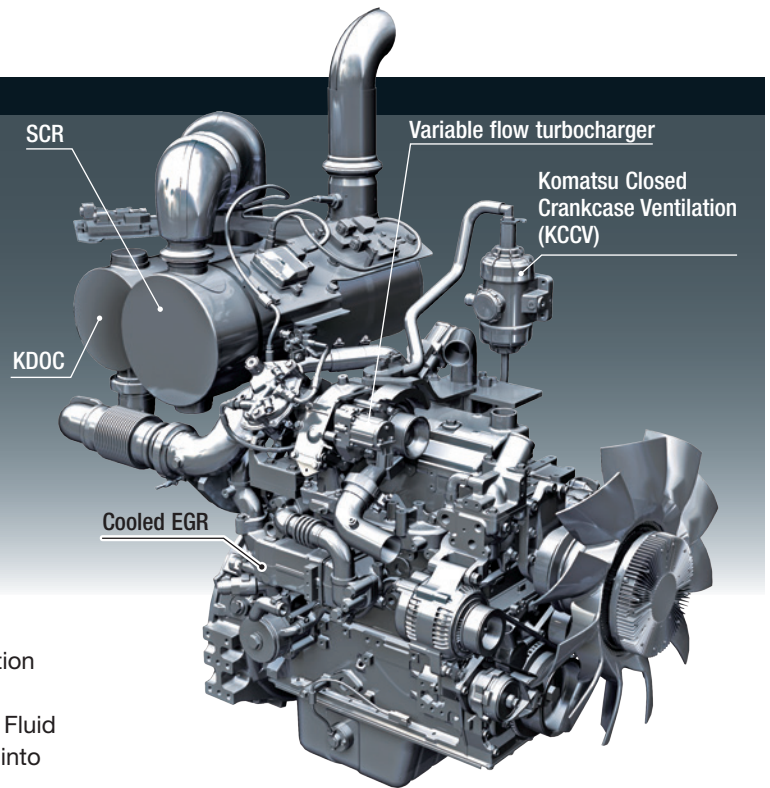


# PERFORMANCE FEATURES

## KOMATSU NEW ENGINE TECHNOLOGIES

### New Tier 4 Final Engine

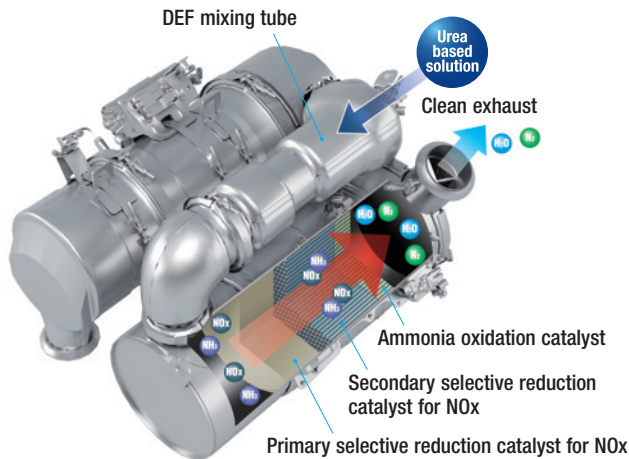
New regulations require the reduction of NOx emissions to one tenth or below from the preceding regulations. Komatsu has developed a new Selective Catalytic Reduction (SCR) device for use in the PC130-11 and other models.



### Technologies Applied to New Engine

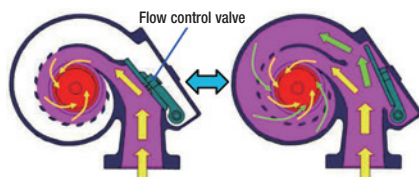
#### Heavy-duty aftertreatment system

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<sub>2</sub>O) and nitrogen gas (N<sub>2</sub>).



#### 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.



#### 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.

#### 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.

#### 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.



**Fuel consumption is reduced up to 12%**

Fuel consumption is reduced up to 12% using a temperature controlled viscous fan clutch and improved engine and hydraulic system efficiencies.

**Fuel Consumption**

Compared to the PC130-8

**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.

**Komatsu Auto Idle Shutdown**

Komatsu auto idle shutdown 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 5 to 60 minutes.

**Efficient hydraulic system**

The PC130-11 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.

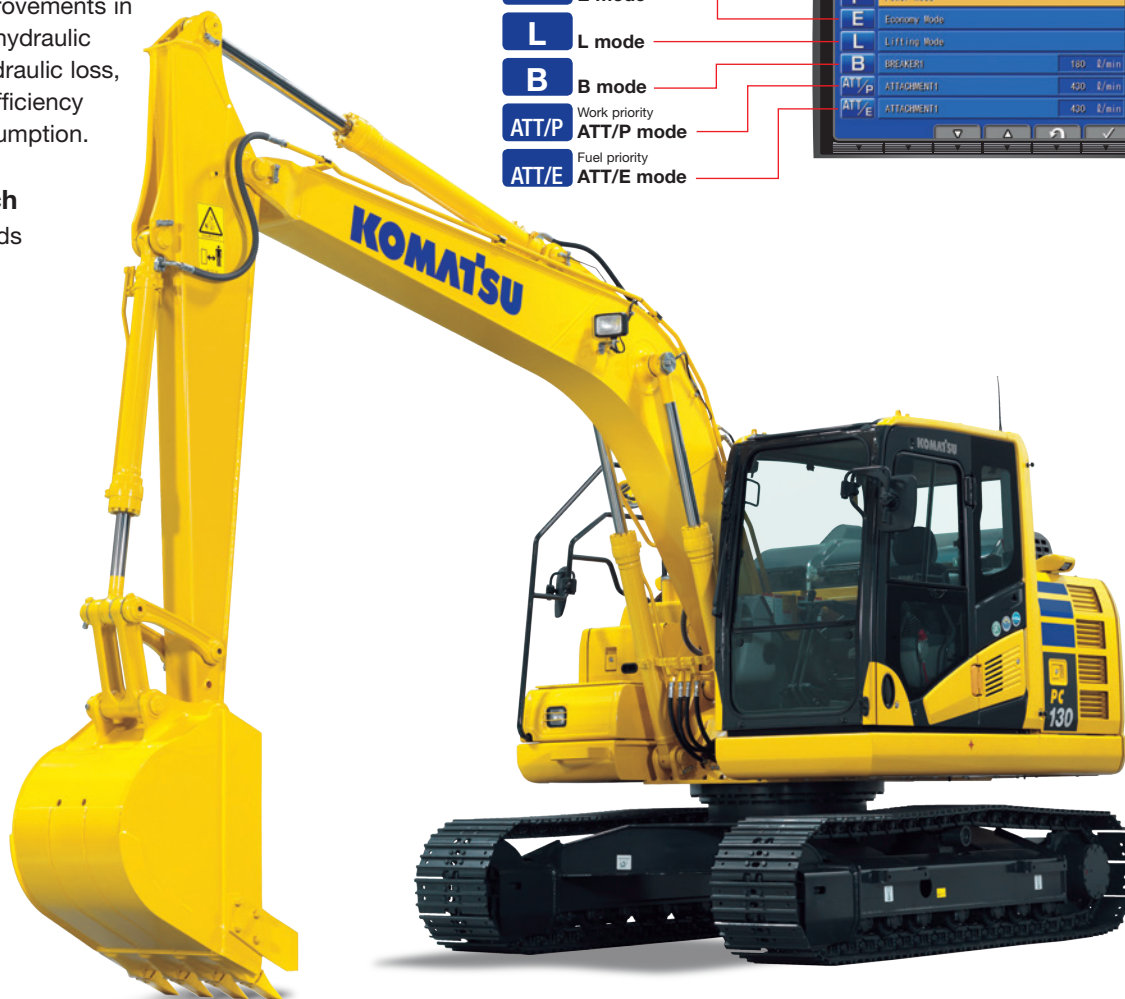
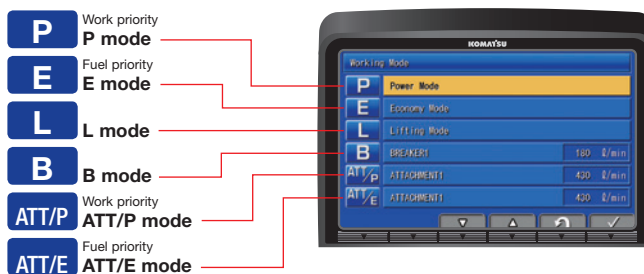
**Viscous fan clutch**

Reduces engine loads at lower operating temperatures.

**Working Mode Selection**

The PC130-11 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 PC130-11 features an attachment mode (ATT/E) that allows operators to run attachments while in Economy mode.

Working Mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none"> <li>•Maximum production/power</li> <li>•Fast cycle times</li> </ul>
E	Economy mode	<ul style="list-style-type: none"> <li>•Good cycle times</li> <li>•Better fuel economy</li> </ul>
L	Lifting mode	<ul style="list-style-type: none"> <li>•Increases hydraulic pressure</li> </ul>
B	Breaker mode	<ul style="list-style-type: none"> <li>•Optimum engine rpm, hydraulic flow</li> </ul>
ATT/P	Attachment Power mode	<ul style="list-style-type: none"> <li>•Optimum engine rpm, hydraulic flow, 2-way</li> <li>•Power mode</li> </ul>
ATT/E	Attachment Economy mode	<ul style="list-style-type: none"> <li>•Optimum engine rpm, hydraulic flow, 2-way</li> <li>•Economy mode</li> </ul>



Photos may include optional equipment.

# WORKING ENVIRONMENT

PC130-11



Photos may include optional equipment.

## 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.

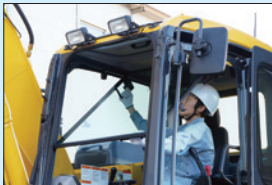


## Low cab noise

### Standard Equipment

#### Automatic air conditioner (A/C)

#### Pull-up front window

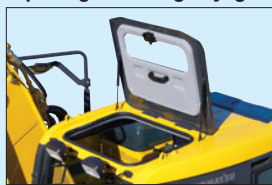


#### Remote intermittent wiper with windshield washer



#### Cab light

#### Opening & closing skylight



#### Defroster (conforms to the ISO standard)

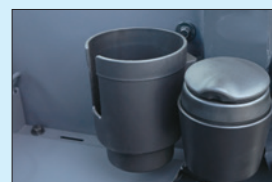


#### Windshield glass with excellent UV filtering

#### AM/FM radio



#### Cup holder



#### Literature box



#### 12 V power supply





**LARGE HIGH RESOLUTION LIQUID CRYSTAL DISPLAY (LCD) MONITOR**



**New Monitor Panel Interface Design**

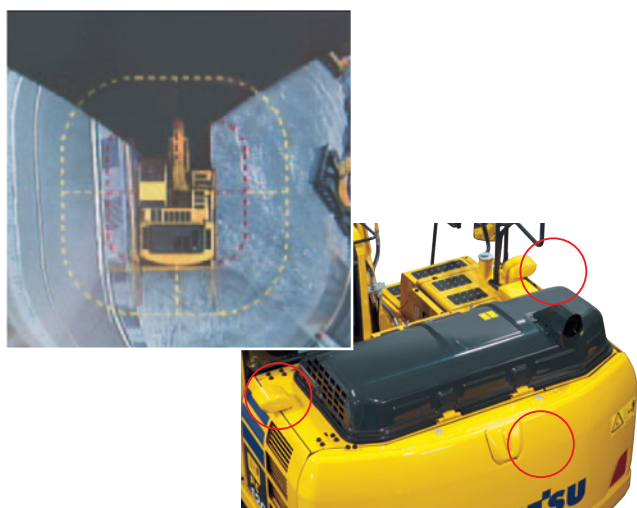
An updated large high resolution LCD color monitor enables accurate and smooth work. The interface has been redesigned to display key machine information in a new user friendly interface. A rear view camera and a DEF level gauge display have been added to the default main screen. The interface has a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



**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 improves operation and situational awareness on the jobsite.

**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.



# 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.



High efficiency fuel filter

Fuel pre-filter (With water separator)

## 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

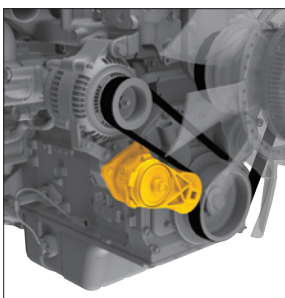
## Battery disconnect switch

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.



## Long-life oil, filter

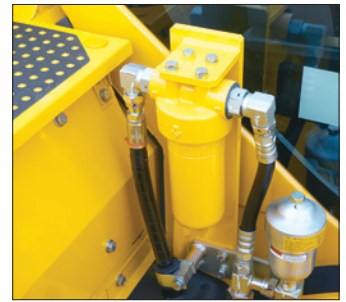
Engine oil & engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours



Hydraulic oil filter (Ecology white plus element)

## Attachment circuit filter

An easy access filter protects the hydraulic system from attachment contaminants (included with factory + 1 attachment piping).

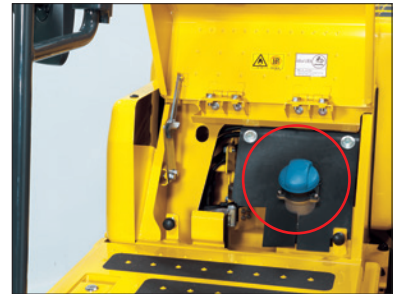


## A/C filter

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

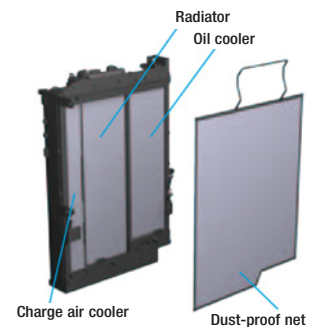
## DEF tank and pump

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.



## Large tool box

A tool box large enough for storing a grease gun is provided as standard.



## Easy-to-clean cab floor mat

The PC130-11'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.





Photos may include optional equipment.

### Maintenance Information

#### “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



# KOMATSU PARTS & SERVICE SUPPORT



PC130-11

## KOMATSU CARE

### Program Includes:

\*The PC130-11 comes standard with complimentary factory scheduled maintenance for the first 3 Years or 2,000 Hours, whichever occurs first.

### Planned Maintenance Intervals at:

500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA) / Travel & Mileage (distance set by distributor; additional charges may apply)

### Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

### Complimentary SCR System Maintenance

The PC130-11 also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel Exhaust Fluid (DEF) system during the first 5 years or 9,000 hours, whichever occurs first. The service includes factory recommended DEF tank flush & strainer cleaning at the suggested service intervals of 4,500 hours & 9,000 hours.

KOMATSU CARE PC130-11				
Interval PM	500	1000	1500	2000
KOWA SAMPLING – (Engine, Hydraulics, Swing Circle, L & R Final Drives)	✓	✓	✓	✓
LUBRICATE MACHINE	✓	✓	✓	✓
LUBRICATE SWING CIRCLE	✓	✓	✓	✓
CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY	✓	✓	✓	✓
CHANGE ENGINE OIL	✓	✓	✓	✓
REPLACE ENGINE OIL FILTER	✓	✓	✓	✓
REPLACE FUEL PRE-FILTER	✓	✓	✓	✓
REPLACE AC FRESH & RECIRC AIR FILTERS	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	✓	✓	✓	✓
DRAIN SEDIMENT FROM FUEL TANK	✓	✓	✓	✓
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	✓	✓	✓	✓
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	✓	✓	✓	✓
REPLACE HYDRAULIC TANK BREATHER ELEMENT		✓		✓
REPLACE DEF TANK BREATHER ELEMENT		✓		✓
CHANGE FINAL DRIVE OIL		✓		✓
CHECK OIL LEVEL IN PTO GEAR AND ADD, WHEN NECESSARY		✓		✓
REPLACE MAIN FUEL FILTER		✓		✓
REPLACE HYDRAULIC OIL FILTER ELEMENT		✓		✓
CHANGE SWING MACHINERY OIL		✓		✓
CLEAN HYDRAULIC TANK STRAINER				✓
REPLACE KCCV FILTER ELEMENT				✓
REPLACE DEF PUMP FILTER				✓
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	✓	✓

\* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd. Copyright 2019 Komatsu America Corp.

## Komatsu CARE® – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs



## Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction



## Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life



# KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH  
**KOMTRAX**<sup>®</sup>

✓ **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, utilization, and a detailed history **lowering owning and operating cost**

✓ **WHEN**

- Knowing when machines are **running or idling** can help improve fleet utilization
- 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

✓ **WHO**

- KOMTRAX is **standard** equipment on all Komatsu construction products



✓ **WHY**

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

Photos may include optional equipment.



**KOMTRAX**<sup>®</sup>

For construction and compact equipment.

**KOMTRAX Plus**<sup>®</sup>

For production and mining class machines.

# 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 ltr **199 in<sup>3</sup>**  
 Horsepower:  
 SAE J1995..... Gross 72.6 kW **97.3 HP**  
 ISO 9249 / SAE J1349..... Net 72.5 kW **97.2 HP**  
 Rated rpm..... 2050  
 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

\*EPA Tier 4 Final emissions 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<sup>2</sup> **5,050 psi**  
 Travel circuit..... 34.8 MPa 355 kgf/cm<sup>2</sup> **5,050 psi**  
 Swing circuit..... 29.2 MPa 298 kgf/cm<sup>2</sup> **4,240 psi**  
 Pilot circuit..... 3.2 MPa 33 kgf/cm<sup>2</sup> **470 psi**

Maximum Auxiliary Flow..... 242 ltr/min **64 gal/min**  
 at 250 kgf/cm<sup>2</sup> **3,553 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 2.76"**  
 Arm .... 1–115 mm x 1175 mm x 75 mm **4.5" x 46.3" x 2.95"**  
 Bucket.. 1–95 mm x 885 mm x 65 mm **3.7" x 34.8" x 2.56"**



## DRIVES AND BRAKES

Steering control..... Two levers with pedals

Drive method..... Fully hydrostatic

Maximum drawbar pull..... 123 kN 12500 kgf **27,560 lbf**

Gradeability..... 70%, 35°

Maximum travel speed: High..... 5.5 km/h **3.4 mph**  
 (Auto-shift) Low..... 2.9 km/h **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..... 2991 kg.m **21,627 ft lbs**



## UNDERCARRIAGE

Center frame..... X-frame leg  
 Track frame..... Box-section  
 Track type..... 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



## SOUND PERFORMANCE

Exterior – ISO 6395..... 101 dB(A)

Operator – ISO 6396..... 71 dB(A)



## COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 250 ltr **66 U.S. gal**

Coolant..... 17.7 ltr **4.6 U.S. gal**

Engine..... 11.5 ltr **3.0 U.S. gal**

Final drive, each side..... 2.1 ltr **.55 U.S. gal**

Swing drive..... 2.5 ltr **0.7 U.S. gal**

Hydraulic tank..... 69.0 ltr **18.2 U.S. gal**

DEF tank..... 21.1 ltr **5.6 U.S. gal**



## OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 4600 mm **15'1"** one-piece boom, 2500 mm **8'2"** arm, SAE heaped 0.51 m<sup>3</sup> **0.67 yd<sup>3</sup>** backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Grouser	Operating Weight	Ground Pressure ISO 16754
500 mm	12730 kg	39.8 kPa / 0.40 kg/cm <sup>2</sup>
<b>20" Road Liner</b>	<b>28,064 lb</b>	<b>5.77 psi</b>
600 mm	12800 kg	33.3 kPa / 0.34 kg/cm <sup>2</sup>
<b>24" Triple</b>	<b>28,219 lb</b>	<b>4.83 psi</b>
700 mm	13000 kg	29 kPa / 0.29 kg/cm <sup>2</sup>
<b>28" Triple</b>	<b>28,660 lb</b>	<b>4.20 psi</b>

### 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**..... 1850 kg **4,078 lb**

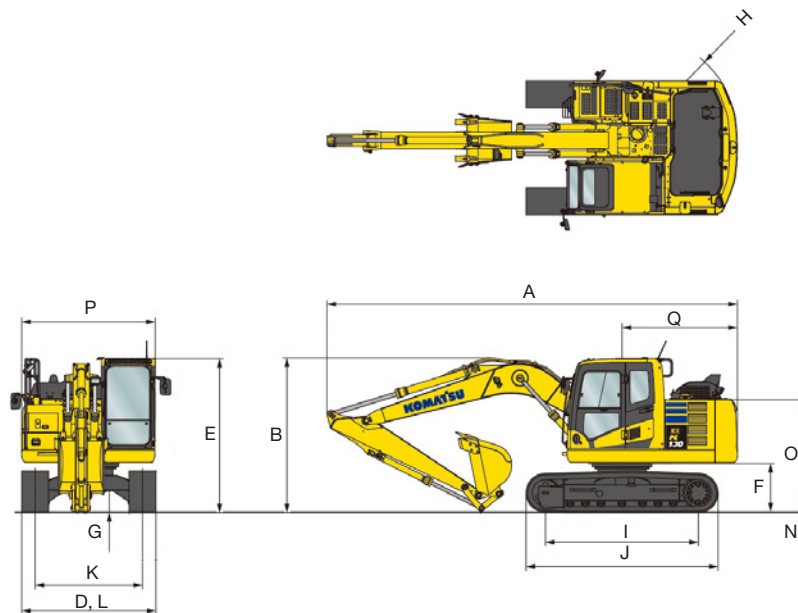
**Bucket** 0.51 m<sup>3</sup> **0.67 yd<sup>3</sup>** 762 mm **30"** width..... 517 kg **1,140 lb**

\* Auxiliary flow is adjustable through the monitor.



**DIMENSIONS**

	Arm Length	2500 mm	8'2"
	Boom length	4600 mm	15'1"
<b>A</b>	Overall length	7620 mm	25'0"
<b>B</b>	Overall height (to top of boom)*	2875 mm	9'5"
<b>D</b>	Overall width	2690 mm	8'10"
<b>E</b>	Overall height (to top of cab)*	2860 mm	9'4"
<b>F</b>	Ground clearance, counterweight	900 mm	2'11"
<b>G</b>	Ground clearance, minimum	395 mm	1'4"
<b>H</b>	Tail swing radius	2210 mm	7'3"
<b>I</b>	Track length on ground	2880 mm	9'5"
<b>J</b>	Track length	3610 mm	11'10"
<b>K</b>	Track gauge	1990 mm	6'6"
<b>L</b>	Width of crawler (500 mm Shoe)	2490 mm	8'2"
	(600 mm Shoe)	2590 mm	8'6"
	(700 mm Shoe)	2690 mm	8'10"
<b>N</b>	Grouser height	20 mm	0.8"
<b>O</b>	Machine height to top of counterweight	2080 mm	6'10"
<b>P</b>	Machine upper width	2480 mm	8'2"
<b>Q</b>	Distance, swing center to rear end	2140 mm	7'0"



\* : Including grouser height



**BACKHOE BUCKET, ARM AND BOOM COMBINATION**

Bucket Type	Bucket						Arms
	Capacity		Width		Weight		2.5 m (8'2")
Komatsu TL	0.26 m <sup>3</sup>	0.34 yd <sup>3</sup>	457 mm	18"	332 kg	732 lb	V
	0.38 m <sup>3</sup>	0.50 yd <sup>3</sup>	610 mm	24"	387 kg	853 lb	V
	0.51 m <sup>3</sup>	0.67 yd <sup>3</sup>	762 mm	30"	437 kg	963 lb	V
	0.63 m <sup>3</sup>	0.83 yd <sup>3</sup>	914 mm	36"	499 kg	1,099 lb	W
	0.76 m <sup>3</sup>	1.00 yd <sup>3</sup>	1067 mm	42"	559 kg	1,232 lb	X
Komatsu HP	0.26 m <sup>3</sup>	0.34 yd <sup>3</sup>	457 mm	18"	379 kg	836 lb	V
	0.31 m <sup>3</sup>	0.40 yd <sup>3</sup>	508 mm	20"	396 kg	873 lb	V
	0.38 m <sup>3</sup>	0.50 yd <sup>3</sup>	610 mm	24"	457 kg	1,007 lb	V
	0.51 m <sup>3</sup>	0.67 yd <sup>3</sup>	762 mm	30"	517 kg	1,140 lb	V
	0.63 m <sup>3</sup>	0.83 yd <sup>3</sup>	914 mm	36"	591 kg	1,303 lb	W
Komatsu HPS	0.76 m <sup>3</sup>	1.00 yd <sup>3</sup>	1067 mm	42"	664 kg	1,464 lb	Y
	0.26 m <sup>3</sup>	0.34 yd <sup>3</sup>	457 mm	18"	406 kg	895 lb	V
	0.31 m <sup>3</sup>	0.40 yd <sup>3</sup>	508 mm	20"	426 kg	939 lb	V
	0.38 m <sup>3</sup>	0.50 yd <sup>3</sup>	610 mm	24"	493 kg	1,086 lb	V
	0.51 m <sup>3</sup>	0.67 yd <sup>3</sup>	762 mm	30"	562 kg	1,240 lb	V
	0.63 m <sup>3</sup>	0.83 yd <sup>3</sup>	914 mm	36"	645 kg	1,423 lb	X
	0.76 m <sup>3</sup>	1.00 yd <sup>3</sup>	1067 mm	42"	728 kg	1,605 lb	Y

V - Used with material weights up to 3,500 lb/yd<sup>3</sup>  
 X - Used with material weights up to 2,500 lb/yd<sup>3</sup>  
 Z - Not useable

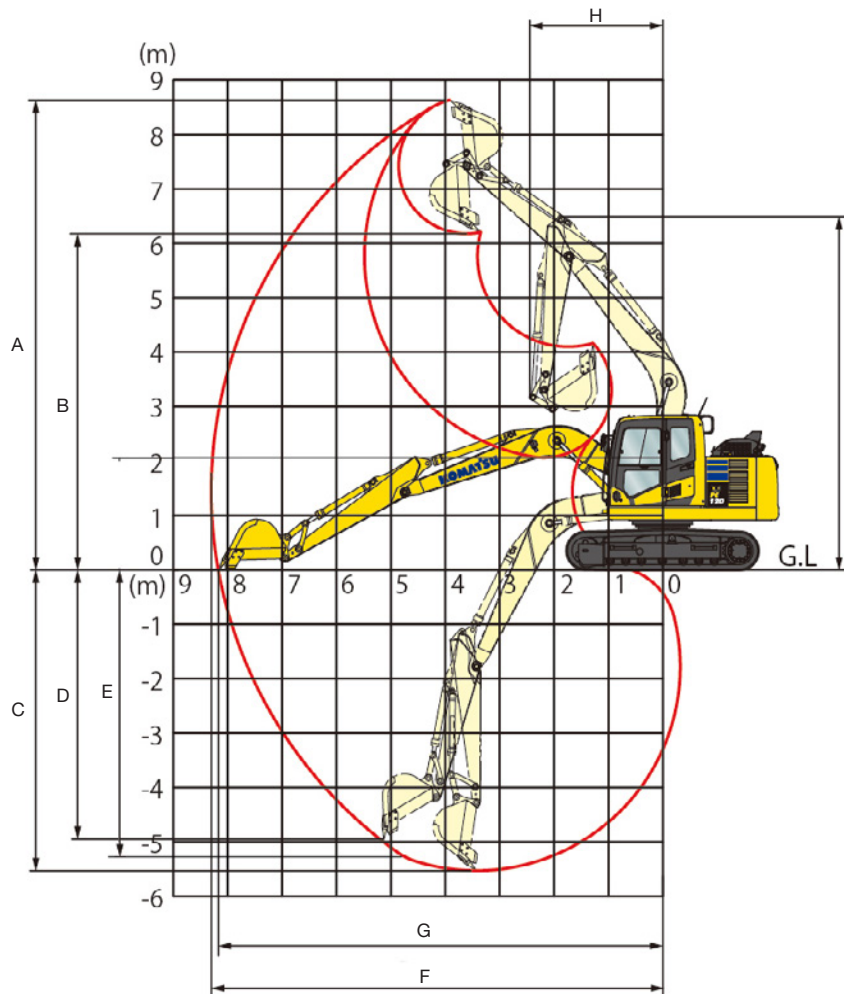
W - Used with material weights up to 3,000 lb/yd<sup>3</sup>  
 Y - Used with material weights up to 2,000 lb/yd<sup>3</sup>



# SPECIFICATIONS



## WORKING RANGE

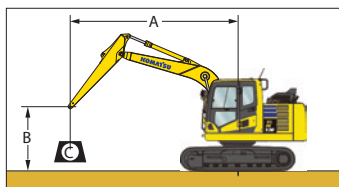


		Arm Length	
		2500 mm	8'2"
<b>A</b>	Max. digging height	8650 mm	28'5"
<b>B</b>	Max. dumping height	6210 mm	20'4"
<b>C</b>	Max. digging depth	5520 mm	18'1"
<b>D</b>	Max. vertical wall digging depth	4980 mm	16'4"
<b>E</b>	Max. digging depth for 8' level bottom	5320 mm	17'5"
<b>F</b>	Max. digging reach	8290 mm	27'2"
<b>G</b>	Max. digging reach at ground level	8170 mm	26'10"
<b>H</b>	Min. swing radius	2450 mm	8'0"
<b>I</b>	Max. height at min. swing radius	6495 mm	21'4"
<b>SAE rating</b>	Bucket digging force	80.9 kN 8250 kgf / <b>18,190 lb</b>	
	Arm crowd force	64.5 kN 6580 kgf / <b>14,510 lb</b>	
<b>ISO rating</b>	Bucket digging force	93.4 kN 9520 kgf / <b>21,000 lb</b>	
	Arm crowd force	67.5 kN 6880 kgf / <b>15,170 lb</b>	

# LIFT CAPACITIES



## 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

- Conditions:
- 4600 mm 15' 1" one-piece boom
  - Counterweight (total mass): 1850 kg 4,070 lb
  - Bucket: None
  - Lifting mode: On

Arm: 2500 mm 8'2" Shoes: 500 mm 20" Road Liner

Unit: kg lb

B	A		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	
7.6 m 25'														
6.1 m 20'					* 3340	* 3340					5.6	* 2340	* 2340	
4.6 m 15'					* 7360	* 7360					18.4	* 5150	* 5150	
3.0 m 10'					* 3500	* 3500	3160	2240			6.6	* 2190	1950	
1.5 m 5'					* 7710	* 7710	6960	4930			21.6	* 4820	4290	
0 m 0'			* 5680	* 5680	* 4280	3390	3090	2180			7.1	* 2190	1690	
-1.5 m	* 4380	* 4380	* 12520	* 12520	* 9430	7470	6810	4800			23.3	* 4820	3720	
-5'	* 9650	* 9650	* 8170	5730	4620	3150	2990	2080			7.3	2280	1590	
-3.0 m	* 9640	* 9640	* 18010	12630	10180	6940	6590	4580			23.9	5020	3500	
-10'	* 21250	* 21250	* 7260	5360	4430	2980	2900	2000			7.1	2320	1600	
			* 16000	11810	9760	6560	6390	4400			23.3	5110	3520	
			8650	5320	4350	2910	2860	1960			6.6	2560	1760	
			19060	11720	9590	6410	6300	4320			21.6	5640	3880	
			7910	5400	4380	2940					5.6	3230	2210	
			17430	11900	9650	6480					18.4	7120	4870	

Arm: 2500 mm 8'2" Shoes: 600 mm 24" Triple Grouser

Unit: kg lb

B	A		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	
7.6 m 25'														
6.1 m 20'					* 3340	* 3340					5.6	* 2350	* 2350	
4.6 m 15'					* 7360	* 7360					18.4	* 5180	* 5180	
3.0 m 10'					* 3470	3470	3170	2250			6.6	* 2190	1980	
1.5 m 5'					* 7650	7650	6980	4960			21.6	* 4820	4360	
0 m 0'			* 5550	* 5550	* 4240	3410	3110	2190			7.1	* 2190	1710	
-1.5 m	* 4220	* 4220	* 12230	* 12230	* 9340	7510	6850	4820			23.3	* 4820	3760	
-5'	* 9300	* 9300	* 8070	5780	4660	3180	3010	2100			7.3	2290	1600	
-3.0 m	* 9400	* 9400	* 17790	12740	10270	7010	6630	4620			23.9	5040	3520	
-10'	* 20720	* 20720	* 7230	5390	4460	3000	2920	2010			7.1	2330	1610	
			* 15930	11880	9830	6610	6430	4430			23.3	5130	3540	
			8700	5340	4380	2930	2880	1980			6.6	2560	1760	
			19180	11770	9650	6450	6340	4360			21.6	5640	3880	
			7980	5430	4400	2950					5.7	3200	2190	
			17590	11970	9700	6500					18.7	7050	4820	

Arm: 2500 mm 8'2" Shoes: 700 mm 28" Triple Grouser

Unit: kg lb

B	A		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	
7.6 m 25'														
6.1 m 20'					* 3340	* 3340					5.6	* 2350	* 2350	
4.6 m 15'					* 7360	* 7360					18.4	* 5180	* 5180	
3.0 m 10'					* 3470	* 3470	3220	2280			6.6	* 2190	2010	
1.5 m 5'					* 7650	* 7650	7090	5020			21.6	* 4820	4430	
0 m 0'			* 5550	* 5550	* 4240	3460	3160	2230			7.1	* 2190	1730	
-1.5 m	* 4220	* 4220	* 12230	* 12230	* 9340	7620	6960	4910			23.3	* 4820	3810	
-5'	* 9300	* 9300	* 8070	5860	4730	3220	3060	2130			7.3	* 2310	1620	
-3.0 m	* 9400	* 9400	* 17790	12910	10420	7090	6740	4690			23.9	* 5090	3570	
-10'	* 20720	* 20720	* 7230	5480	4530	3050	2970	2050			7.1	2360	1640	
			* 15930	12080	9980	6720	6540	4510			23.3	5200	3610	
			8830	542	4450	2790	2930	2010			6.6	2600	1790	
			19460	1190	9810	6150	6450	4430			21.6	5730	3940	
			7980	5510	4470	3000					5.7	3260	2230	
			17590	12140	9850	6610					18.7	7180	4910	

\*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 capacities 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.



## STANDARD EQUIPMENT

### ENGINE

- 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

### ELECTRICAL SYSTEM

- Alternator, 24 V/60 A
- Auto-decelerator
- Batteries, 2 x 12 V/92 Ah
- Electric horn
- Starting motor 24 V/4.5 kW
- Working light on boom

### HYDRAULIC SYSTEM

- Boom holding valve

### GUARDS AND COVERS

- Fan guard structure
- Handrails
- Pump/engine partition cover

### UNDERCARRIAGE

- Shoe, 600 mm **24"** triple grouser

### OPERATOR ENVIRONMENT

- 2 x 12 V power points
- 2 way multi-control valve
- 24 V - 12 V power converter
- Automatic A/C
- Auto idle shutdown function
- Auxiliary input jack
- Cab includes: antenna, AM/FM radio, floor mat, intermittent front windshield wiper and washer, large 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, 76 mm **3"**
- Suspension seat
- Swing holding brake

### OTHER

- Counterweight (total mass), 1850 kg **4,078 lb**
- Equipment management monitoring system
- KOMTRAX®
- Pattern change valve
- Rear reflector
- Travel alarm



## OPTIONAL EQUIPMENT

### HYDRAULIC SYSTEM

- Hydraulic control unit - 1 additional actuator (+ 1 Hydraulics) with one and two-way flow

### GUARDS AND COVERS

- Cab guard
  - Full front guard, OPG level 1 (ISO 10262)
  - Full front guard, OPG level 2 (ISO 10262)
  - Bolt-on top guard, OPG level 2 (ISO 10262)

### UNDERCARRIAGE

- Shoes
  - 700 mm **28"** triple grouser
  - 500 mm **20"** rubber roadliner

### OPERATOR ENVIRONMENT

- Sunvisor
- KomVision surround camera system

### WORK EQUIPMENT

- Arms
  - 2500 mm **8'2"** arm assembly
  - 2500 mm **8'2"** arm assembly with piping
- Booms
  - 4600 mm **15'1"** boom assembly
  - 4600 mm **15'1"** boom assembly with piping

# KOMATSU®

*Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.*