

KOMATSU®

PC138USLC-8

With Tier 3 Engine

NET HORSEPOWER

68 kW **92 HP** @ 2200 rpm

OPERATING WEIGHT

14110–14773 kg **31,107–32,568 lb**

BUCKET CAPACITY

0.26–0.76 m³ **0.34–1.00 yd³**

PC
138US
LC



Photo may include optional equipment.

HYDRAULIC EXCAVATOR

WALK-AROUND

Komatsu's PC138USLC-8 Series Hydraulic Excavators have a short tail swing profile, designed specifically for work in confined areas. By reducing tail swing, the PC138USLC-8 is perfect for work on roadways, bridges, in urban areas, or anywhere space is limited. The PC138USLC-8 Series provides the performance and productivity you expect from Komatsu equipment.

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 emissions ready, without sacrificing power or machine productivity.

● ***Low Operational Noise***

The dynamic noise is reduced providing low noise operation.

Productivity Features

● ***High Mobility***

- Large drawbar pull and steering force are evident when operating on a slope or other rough terrain.
- The machine travel speed changes automatically to Hi or Lo at optimal points according to the travel load.

● ***High Stability***

The PC138USLC-8 offers exceptional lifting capacity and high stability with a large counterweight.

● ***Mode Selection***

Five working modes designed to match engine speed, pump delivery, and system pressure.

Upper Structure Features

- Slip resistant surfaces for improving foot traction
- Rear view camera



Excellent Reliability and Durability

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



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.

Operational Features

● Small Tail Swing

- Excellent operation in tight quarters is improved due to the small tail swing radius design
- Round profile provides short protrusion of front and rear portions of the upper structure.
- Occupies a small road width for operation in congested areas.
 - Wider Working Ranges: Job sites that require a long attachment reach, such as demolition and slope cutting, also benefit from the increased digging and dumping ranges of the PC138USLC-8.



Photo may include optional equipment.

NET HORSEPOWER
68 kW 92 HP @ 2200 rpm

OPERATING WEIGHT
14110 – 14773 kg
31,107 – 32,568 lb

BUCKET CAPACITY
0.26 – 0.76 m³
0.34 – 1.00 yd³

Large TFT LCD Monitor

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

TFT : Thin Film Transistor
LCD : Liquid Crystal Display

Easy Maintenance

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

Larger Comfortable Cab

- Low noise cab design with viscous cab mounting
- Sliding convex door facilitates easy entrance in confined areas.
- Large cab improves working space.

PRODUCTIVITY & ECOLOGY FEATURES

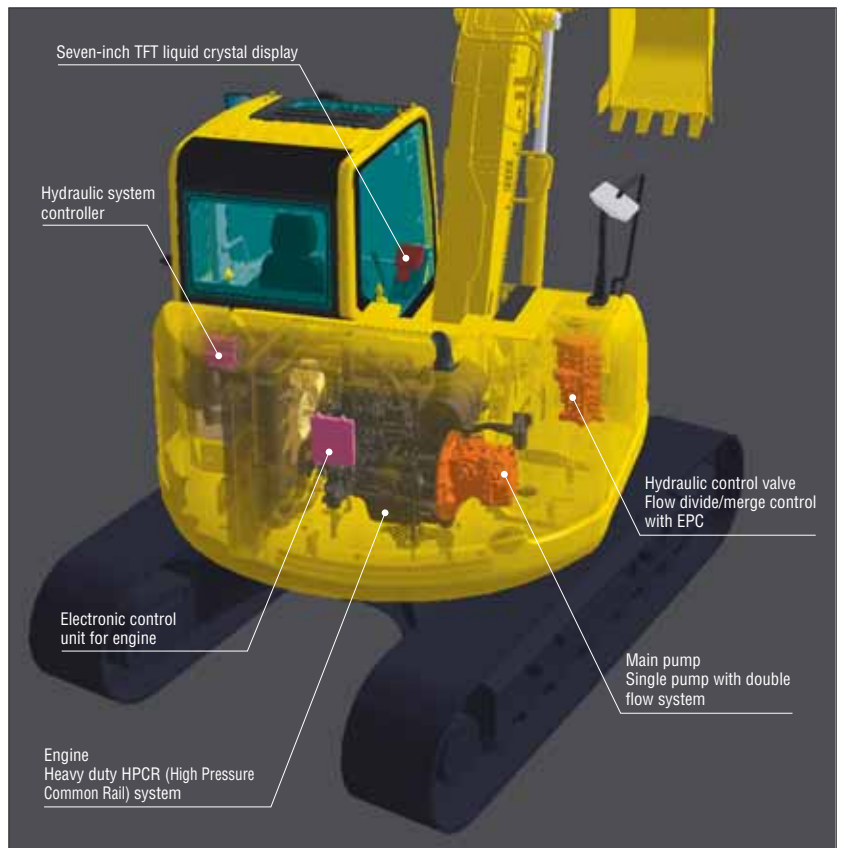
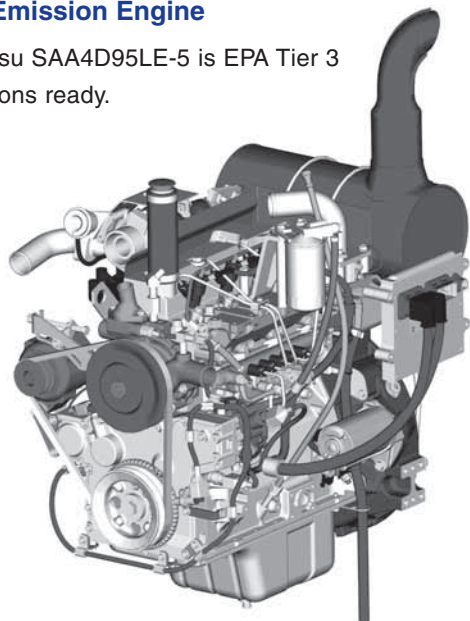
Komatsu Technology



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.

Low Emission Engine

Komatsu SAA4D95LE-5 is EPA Tier 3 emissions ready.



Low Operational Noise

Enables low noise operation by using the low-noise emitting engine and methods to reduce noise at the source.

Electronically controlled common rail type engine

- Multi-staged injection
- Highly rigid cylinder block

Low noise design

- Optimal arrangement of sound absorbing materials
- Partition between the cab and engine room
- Increased sound absorption around main control valve

Large Digging Forces

The PC138USLC-8 has a large bucket digging force and arm crowd force, that facilitate hard digging. Digging force ISO rating.

| | PC138USLC-8 |
|----------------------|--|
| Bucket digging force | 93.2 kN 9500 kgf 20,950 lbf |
| Arm crowd force | 61.8 kN 6300 kgf 13,890 lbf |

High Mobility

The PC138USLC-8's exceptional travel performance is provided by single pump with double flow, and it demonstrates superb maneuverability while operating at its optimum travel speed. It exhibits a large drawbar pull for moving around job sites, traveling in rough terrain, and climbing steep slopes.



High Stability

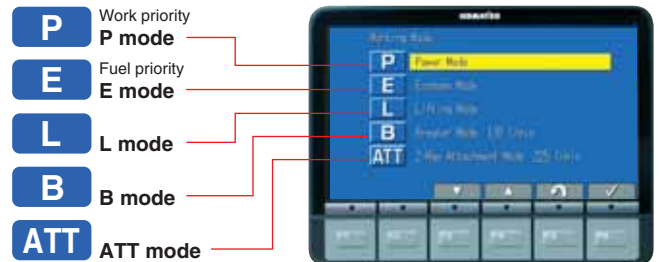
The PC138USLC-8 offers exceptional lifting capacity and high stability with a large counterweight that increases lifting capacity 10% compared to the previous model and increases over side lifting capacity 5% more than the PC120LC-6.



Working Modes Selectable

The PC138USLC-8 excavator is equipped with five working modes (P, E, L, B and ATT mode). Each mode is designed to match engine speed and pump speed with the current application. This provides the flexibility to match equipment performance to the job at hand.

| Working Mode | Application | Advantage |
|--------------|-----------------|--|
| P | Power mode | <ul style="list-style-type: none"> Maximum production/power Fast cycle times |
| E | Economy mode | <ul style="list-style-type: none"> Good cycle times Better fuel economy |
| L | Lifting mode | <ul style="list-style-type: none"> Engine RPM reduction |
| B | Breaker mode | <ul style="list-style-type: none"> Optimum engine rpm, hydraulic flow |
| ATT | Attachment mode | <ul style="list-style-type: none"> 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 prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.

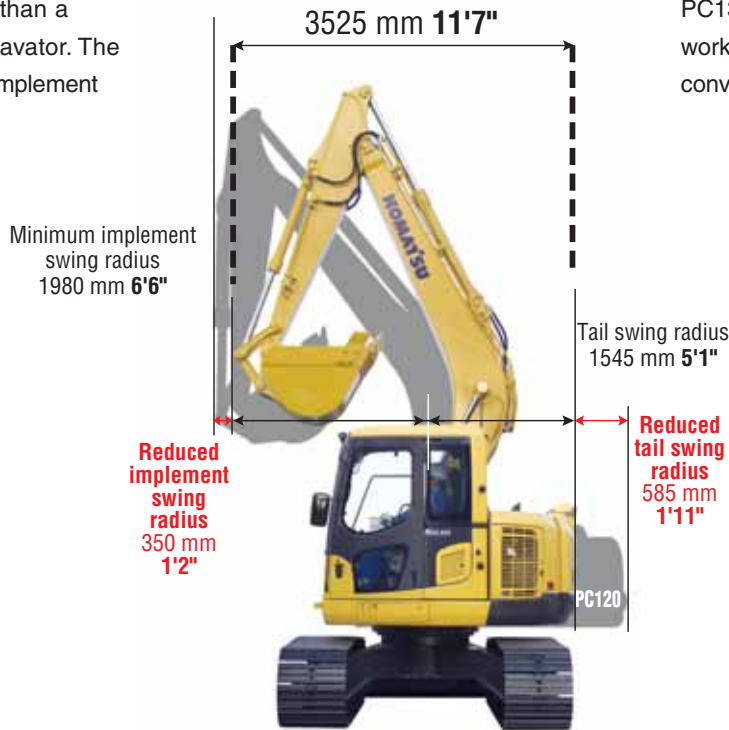


OPERATIONAL FEATURES

Operation with a Small Tail Swing Even in Confined Areas

Short Implement Swing Radius:

Boom raising angle of the PC138USLC-8 is larger than a conventional profile excavator. The result is reduced front implement swing radius.

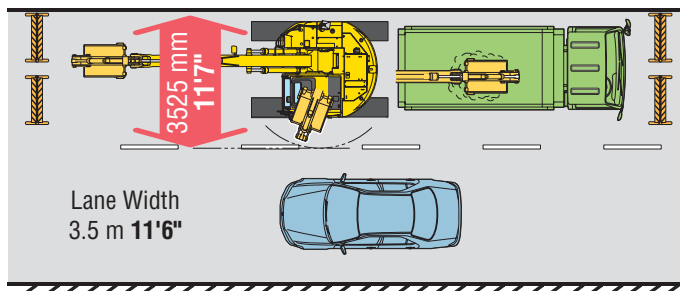


Short Tail Swing Radius:

Short tail swing radius of the PC138USLC-8 allows the machine to work in more confined areas than a conventional machine.

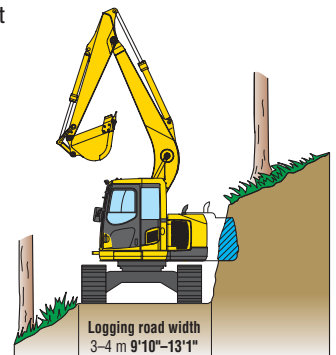
Roadwork

When performing roadwork, protrusion of the machine into the unoccupied lane is kept minimal since the rear portion of the upper structure protrudes slightly from the track at swing. This allows a dump truck to be positioned closer to the track of the machine. The operator is able to load materials efficiently onto the front of the dump body at ease since ample dumping reach is assured for the loading. Larger working spaces are not required for the machine.



Logging and forest roadwork

Since the protrusion of the rear portion of the upper structure is kept minimal, there is less possibility of the counterweight hitting against a tree or a slope, allowing the operator to operate the machine at ease. Furthermore, large digging height facilitates slope finishing work. Large drawbar pull assures smooth and powerful traveling even on rough terrain.

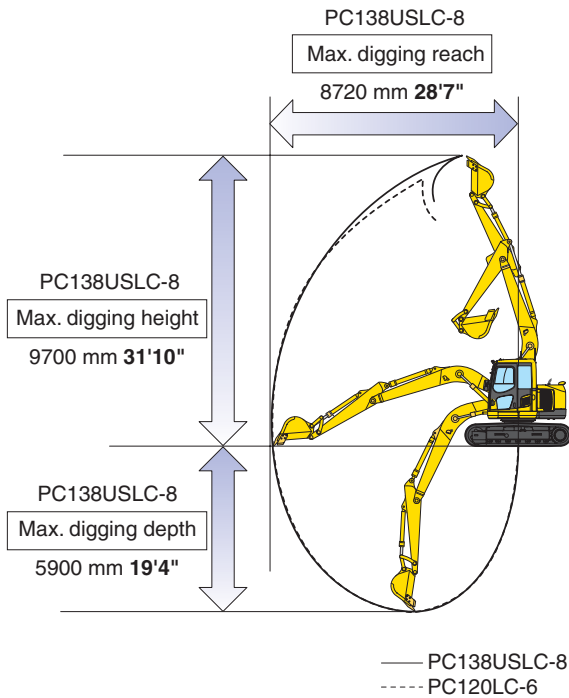


Demolition

The machine needs less working space and can perform efficient demolition work since it has large and ample digging height.

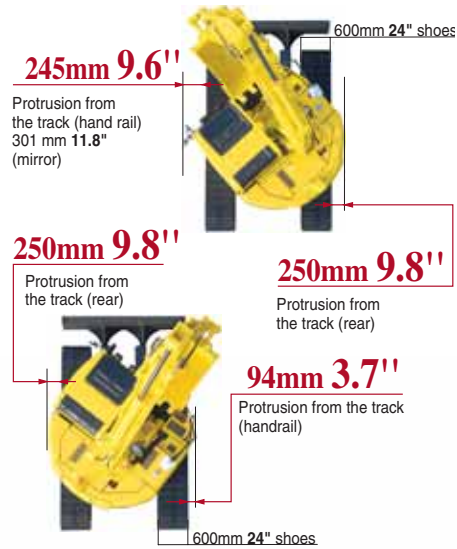
Wider Working Ranges

Raising the boom on the PC138USLC-8 to a wider angle enhances overall working performance. Job sites that require a long upper reach, such as demolition and slope cutting, also benefit from the increased digging and dumping ranges of the PC138USLC-8.



Round Profile of both Front and Rear Portion of the Upper Structure

Komatsu hydraulic excavators with small tail swing radius design adopt the round profile for both left and right corners of the front portion of the upper structure as well as its rear portion that features less protrusion from the track at swing. The round profile design allows the machine to work in tight quarters.



| | PC138USLC-8 | PC120LC-6 |
|------------------------|--------------------------|-------------------------|
| Maximum digging height | 9700 mm 31'10" | 8970 mm 29'5" |
| Maximum digging depth | 5900 mm 19'4" | 6015 mm 19'9" |
| Maximum dumping height | 7350 mm 24'1" | 6535 mm 21'5" |



WORKING ENVIRONMENT

PC138USLC-8 cab interior is spacious and provides a comfortable working environment...

Large Comfortable Cab

Multi-position Controls

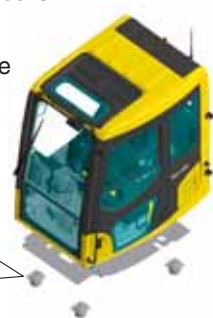
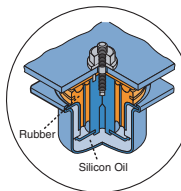
The multi-position, PPC (pressure proportional control) levers allow the operator to work in comfort while maintaining precise control. A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the seat and controllers for maximum productivity and comfort.

Low Cab Noise

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

Comfortable Ride with Viscous Cab Mounts

Viscous mounts are adopted for the cab mount system. The cab mount system absorbs shocks and aids vibration reduction to provide comfortable ride.



Pressurized Cab

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



Wide Newly-designed Cab

Large cab provides ample operation space and includes a high-back seat. The cab has a wide doorway for easy access.



Automatic Air Conditioner

Enables you to easily and precisely set cab temperature with the instruments on the large LCD.

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.



Sliding Convex Door

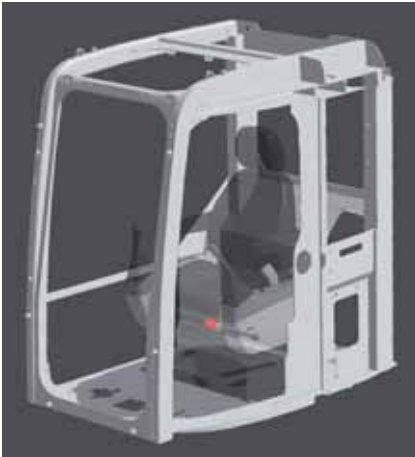
The sliding convex door facilitates easy entrance in confined areas.



Features

New Cab Design for Hydraulic Excavators

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



Skylight

Skylight can be opened for additional overhead visibility.



Travel Alarm

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

Slip Resistant Plates

Durable slip resistant plates maintain superior foot traction.



Lock Lever

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



Lever shown in lock position

Work Area Rear View Camera 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

Wide Visibility

The right side window pillar has been removed and the rear pillar reshaped to provide improved visibility.



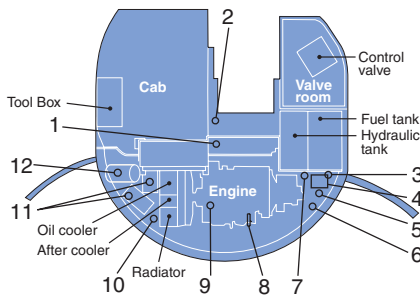
MAINTENANCE FEATURES

Easy Maintenance

Komatsu designed the PC138USLC-8 to have easy service access. By doing so, routine maintenance and servicing are less likely to be skipped, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC138USLC-8.

Optimum Maintenance Layout

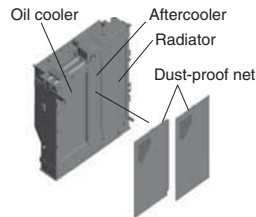
With the left and right side service doors, it is possible to access the major maintenance points from ground level. Furthermore, the fuel drain valve, engine oil filter, swing machinery oil filler, and PTO oil filler are remote mounted, facilitating easy maintenance.



- 1. Swing machinery oil filler
- 2. Swing machinery dip stick
- 3. Fuel filter (with water separator)
- 4. Coolant reserve tank
- 5. Fuel drain valve
- 6. PTO oil filler
- 7. Engine oil filter
- 8. Engine oil dipstick
- 9. Engine oil filler
- 10. Windshield washer tank
- 11. Batteries
- 12. Air cleaner

Side-by-side Cooling

Since oil cooler, aftercooler and radiator are arranged side by side, it is easy to clean, remove, and install them.



Large Tool Box

Large tool box provides plenty of space. Grease pump storage space is also provided.



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

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



High-Pressure In-Line Filters

Installed at the pump discharge ports, this system provides additional hydraulic system protection from contamination.



Photo may include optional equipment.

Maintenance Costs Reduced

Eco-white Filter Element

High performance filters are used in the hydraulic circuit and engine. Longer hydraulic oil, hydraulic oil filter, engine oil and engine oil filter element replacement intervals significantly reduce maintenance costs.

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



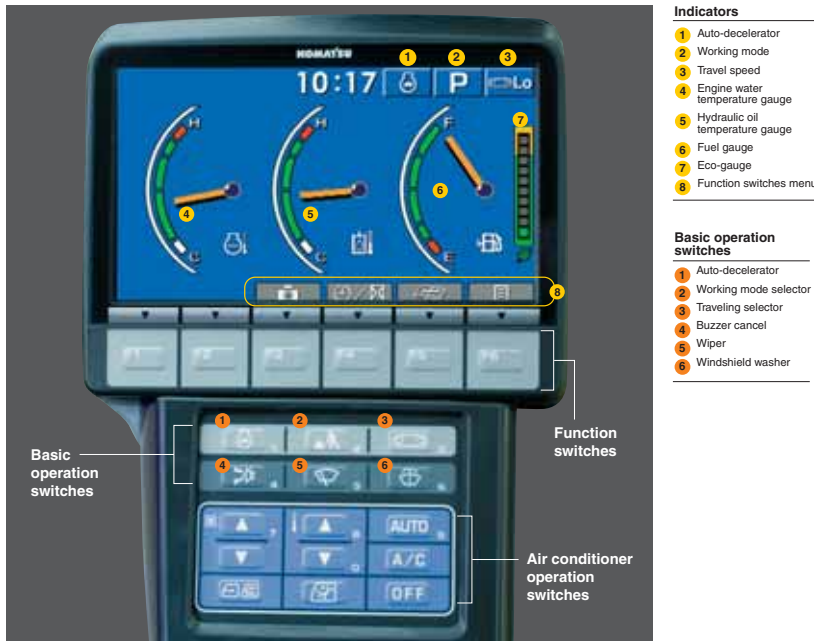
Longer Greasing Intervals

Special hard material is used for the bushings of the work equipment to lengthen greasing intervals. All bushing lubrication intervals of work equipment except arm tip and bucket linkage are 500 hours, reducing maintenance costs.

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 Thin Film Transistor (TFT) Liquid Crystal Display (LCD) that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations. Displays data in 12 languages.



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.



Maintenance function

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



Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.

Excellent Reliability and Durability

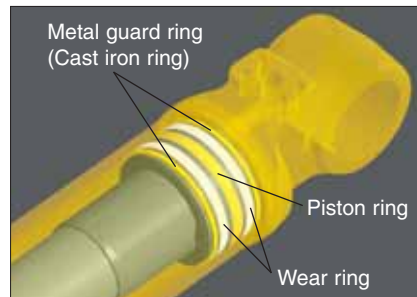
High Rigidity Work Equipment

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.

Sturdy Frame Structure

The revolving frame, center frame, and undercarriage are designed by using the most advanced three-dimensional CAD and FEM analysis technology.

Metal Guard Rings Protect all the Hydraulic Cylinders and Improve Reliability.

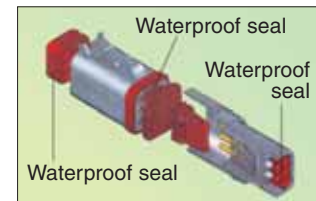


Reliable Components

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

DT-type Connectors

DT-type connectors seal tight and have higher reliability.



O-ring Face Seal

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



PC138USLC-8 HYDRAULIC EXCAVATOR

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 emission ready.



HYDRAULICS SYSTEM

Type HydraMind (Hydraulic Mechanical Intelligence New Design) system, Closed-center system with load-sensing valve and pressure-compensated valve
 Main pump:
 Type Variable capacity piston type
 Pumps for Boom, arm, bucket, swing, and travel circuits
 Maximum flow 242 ltr/min **64 U.S. 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/cm² **5,050 psi**
 Swing circuit 27.1 MPa 276 kgf/cm² **3,920 psi**
 Pilot circuit 3.2 MPa 33 kgf/cm² **470 psi**
 Hydraulic cylinders:
 (Number of cylinders – bore x stroke)
 Boom 2–105 mm x 1055 mm **4.1" x 41.5"**
 Arm 1–110 mm x 1175 mm **4.3" x 46.3"**
 Bucket 1–95 mm x 885 mm **3.7" x 34.8"**



SWING SYSTEM

Driven by Hydraulic motor
 Swing reduction Planetary gear
 Swing circle lubrication Grease-bathed
 Swing lock Wet, multiple-disc brake
 Swing speed 11.0 rpm
 Swing torque 2991 kg·m **21,627 ft lbs**



DRIVES AND BRAKES

Steering control Two levers with pedals
 Drive method Fully hydrostatic
 Maximum drawbar pull 123 kN 12500 kgf **27,560 lbf**
 Maximum travel speed: High 5.1 km/h **3.2 mph**
 Low 2.9 km/h **1.8 mph**
 Service brake Hydraulic lock
 Parking brake Wet, multiple-disc



UNDERCARRIAGE

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



COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank 200 ltr **52.8 U.S. gal**
 Radiator 14.2 ltr **3.8 U.S. gal**
 Engine 11.0 ltr **2.9 U.S. gal**
 Final drive, each side 2.5 ltr **0.7 U.S. gal**
 Swing drive 2.5 ltr **0.7 U.S. gal**
 Hydraulic tank 69.0 ltr **18.2 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/cm ² | psi |
| 500 | 20" | 14110 | 31,107 | 41.2 | 0.42 | 5.97 |
| 600 | 24" | 14290 | 31,504 | 35.3 | 0.36 | 5.12 |
| 700 | 28" | 14490 | 31,944 | 30.4 | 0.31 | 4.41 |



WORKING FORCES

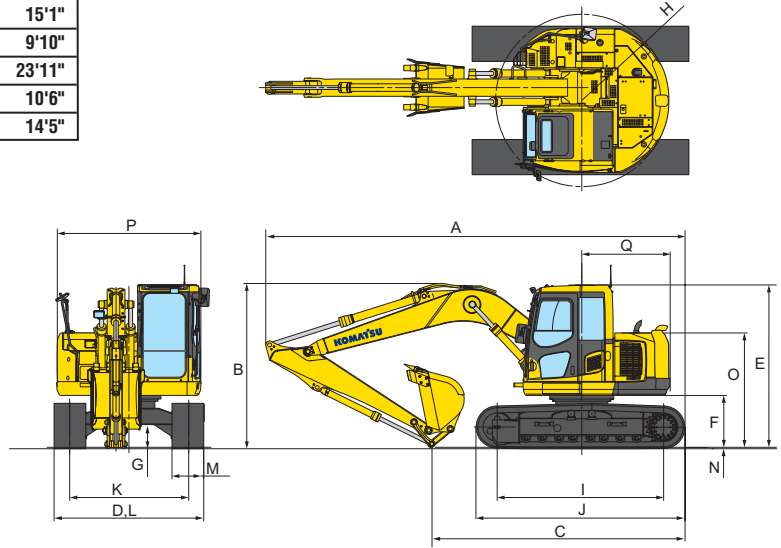
| | | 2500 mm 8'2" | 3000 mm 9'10" | 2100 mm 6'11" |
|------------|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| ISO rating | Arm | 2500 mm 8'2" | 3000 mm 9'10" | 2100 mm 6'11" |
| | Bucket digging force | 93.2 kN 9500 kgf/ 20,950 lb | 88.3 kN 9000 kgf/ 19,840 lb | 88.3 kN 9000 kgf/ 19,840 lb |
| SAE rating | Arm crowd force | 61.8 kN 6300 kgf/ 13,890 lb | 55.9 kN 5700 kgf/ 12,570 lb | 71.6 kN 7300 kgf/ 16,090 lb |
| | Bucket digging force | 81.4 kN 8300 kgf/ 18,300 lb | 78.0 kN 7950 kgf/ 17,530 lb | 78.0 kN 7950 kgf/ 17,530 lb |
| SAE rating | Arm crowd force | 60.8 kN 6200 kgf/ 13,670 lb | 54.4 kN 5550 kgf/ 12,240 lb | 69.6 kN 7100 kgf/ 15,650 lb |



DIMENSIONS

| | | | | | |
|---|---------------------------------|---------|--------|---------|--------|
| | Boom Length | 4600 mm | 15'1" | 4600 mm | 15'1" |
| | Arm Length | 2500 mm | 8'2" | 3000 mm | 9'10" |
| A | Overall length | 7385 mm | 24'3" | 7285 mm | 23'11" |
| B | Overall height (to top of boom) | 2850 mm | 9'4" | 3210 mm | 10'6" |
| C | Length on ground (transport) | 4540 mm | 14'11" | 4400 mm | 14'5" |

| | | | |
|---|-----------------------------------|---------|-------|
| D | Overall width | 2590 mm | 8'6" |
| E | Overall height (to top of cab) | 2815 mm | 9'3" |
| F | Ground clearance, counterweight | 900 mm | 2'11" |
| G | Minimum ground clearance | 395 mm | 1'4" |
| H | Tail swing radius | 1545 mm | 5'1" |
| I | Length of track on ground | 3140 mm | 10'4" |
| J | Track length | 3870 mm | 12'8" |
| 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 | 1980 mm | 6'6" |
| P | Machine cab width | 2490 mm | 8'2" |
| Q | Distance swing center to rear end | 1545 mm | 5'1" |



BACKHOE BUCKET AND ARM COMBINATION

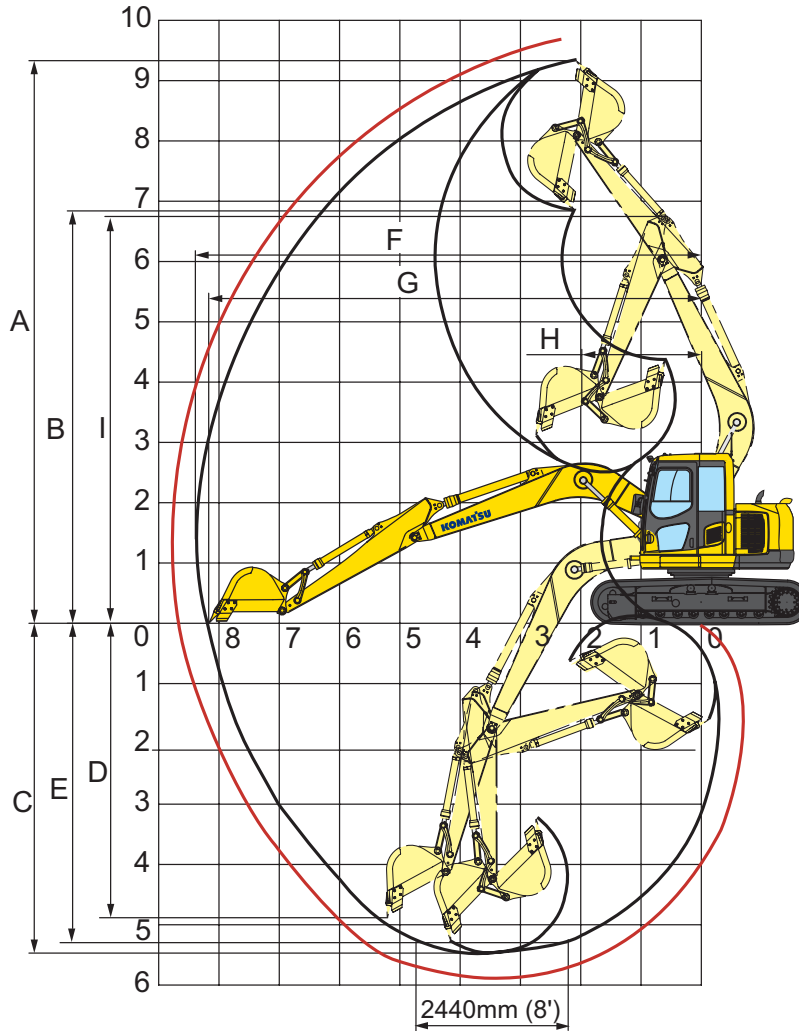
| Bucket Type | Bucket | | | Arms | | |
|-------------|---------------------|----------------------|-------------|-----------------|----------------|---|
| | Capacity | Width | Weight | 2.5 m 8'2" | 3.0 m 9'10" | |
| Komatsu GSK | 0.26 m ³ | 0.34 yd ³ | 457 mm 18" | 332 kg 732 lb | V | V |
| | 0.38 m ³ | 0.50 yd ³ | 610 mm 24" | 387 kg 853 lb | V | V |
| | 0.51 m ³ | 0.67 yd ³ | 762 mm 30" | 437 kg 963 lb | V | V |
| | 0.63 m ³ | 0.83 yd ³ | 914 mm 36" | 499 kg 1,099 lb | W | X |
| | 0.76 m ³ | 1.00 yd ³ | 1067 mm 42" | 559 kg 1,232 lb | X | Y |
| Komatsu HP | 0.26 m ³ | 0.34 yd ³ | 457 mm 18" | 379 kg 836 lb | V | V |
| | 0.31 m ³ | 0.40 yd ³ | 508 mm 20" | 396 kg 873 lb | V | V |
| | 0.38 m ³ | 0.50 yd ³ | 610 mm 24" | 457 kg 1,007 lb | V | V |
| | 0.51 m ³ | 0.67 yd ³ | 762 mm 30" | 517 kg 1,140 lb | V | W |
| | 0.63 m ³ | 0.83 yd ³ | 914 mm 36" | 591 kg 1,303 lb | W | X |
| Komatsu HPS | 0.26 m ³ | 0.34 yd ³ | 457 mm 18" | 406 kg 895 lb | V | V |
| | 0.31 m ³ | 0.40 yd ³ | 508 mm 20" | 426 kg 939 lb | V | V |
| | 0.38 m ³ | 0.50 yd ³ | 610 mm 24" | 493 kg 1,086 lb | V | V |
| | 0.51 m ³ | 0.67 yd ³ | 762 mm 30" | 562 kg 1,240 lb | V | W |
| | 0.63 m ³ | 0.83 yd ³ | 914 mm 36" | 645 kg 1,423 lb | X | Y |
| | 0.76 m ³ | 1.00 yd ³ | 1067 mm 42" | 728 kg 1,605 lb | Y | Z |

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

WORKING RANGES



WORKING RANGE

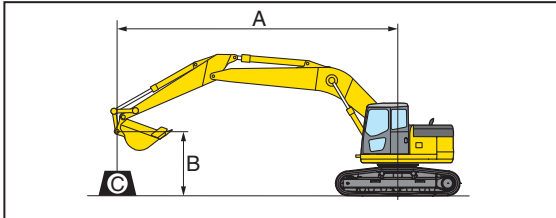


| | Arm | 2500 mm | 8'2" | 3000 mm | 9'10" |
|---|------------------------------------|---------|--------|---------|--------|
| A | Max. digging height | 9340 mm | 30'8" | 9700 mm | 31'10" |
| B | Max. dumping height | 6840 mm | 22'5" | 7350 mm | 24'1" |
| C | Max. digging depth | 5480 mm | 18'0" | 5900 mm | 19'4" |
| D | Max. vertical wall digging depth | 4900 mm | 16'1" | 5340 mm | 17'6" |
| E | Max. digging depth 8' level bottom | 5265 mm | 17'3" | 5715 mm | 18'9" |
| F | Max. digging reach | 8300 mm | 27'3" | 8720 mm | 28'7" |
| G | Max. digging reach at ground level | 8180 mm | 26'10" | 8600 mm | 28'3" |
| H | Min. swing radius | 1980 mm | 6'6" | 2264 mm | 7'5" |
| I | Max. height at min. swing radius | 6770 mm | 22'3" | 6770 mm | 22'3" |

LIFTING CAPACITIES



LIFTING CAPACITY



- 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:

- Boom length: 4600 mm 15'1"
- Bucket: 0.50 m³ 0.65 yd³
- Bucket weight: 400 kg 883 lb.
- Lifting mode: On

| Arm: 2500 mm 8'2" | | Shoe: 500 mm 20" | | | | | | | | Unit: kg lb | | | |
|-------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|----------------------|-------------|----|------------------------|------------------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | *3130 *6,910 | *3130 *6,910 | | | | | | | *2160 *4,760 | *2160 *4,760 |
| 6.1 m 20' | | | | | | *3060 *6,750 | *3060 *6,750 | | | | | *1690 *3,730 | *1690 *3,730 |
| 4.6 m 15' | | | | | | *3420 *7,540 | *3420 *7,540 | *2730 *6,020 | 2150 4,740 | | | *1570 *3,460 | *1570 *3,460 |
| 3.0 m 10' | | | | *5720 *12,620 | *5720 *12,620 | *4290 *9,460 | 3360 7,420 | 3510 7,730 | 2090 4,620 | | | *1580 *3,490 | *1580 *3,490 |
| 1.5 m 5' | | | | *8190 *18,060 | 5960 13,140 | *5260 *11,610 | 3170 6,990 | 3410 7,510 | 2000 4,430 | | | *1690 *3,740 | 1490 3,290 |
| 0.0 m 0' | | | | *6260 *13,810 | 5590 12,330 | 5270 11,630 | 3000 6,620 | 3320 7,330 | 1930 4,260 | | | *1940 *4,280 | 1510 3,330 |
| -1.5 m -5' | | *3490 *7,700 | *3490 *7,700 | *8570 *18,890 | 5510 12,150 | 5180 11,430 | 2920 6,450 | 3280 7,240 | 1890 4,180 | | | *2430 *5,360 | 1680 3,700 |
| -3.0 m -10' | | *7100 *15,650 | *7100 *15,650 | *7300 *16,100 | 5580 12,310 | *4940 *10,910 | 2930 6,470 | | | | | *3480 *7,670 | 2140 4,720 |
| -4.6 m -15' | | | | | | | | | | | | | |

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

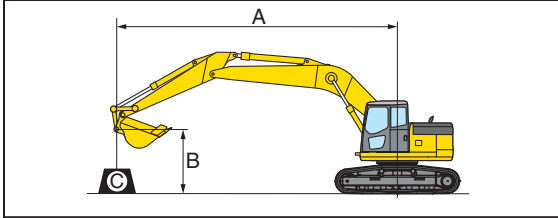
| Arm: 2500 mm 8'2" | | Shoe: 600 mm 24" | | | | | | | | Unit: kg lb | | | |
|-------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|----------------------|-------------|----|------------------------|------------------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | *3130 *6,910 | *3130 *6,910 | | | | | | | *2160 *4,760 | *2160 *4,760 |
| 6.1 m 20' | | | | | | *3060 *6,750 | *3060 *6,750 | | | | | *1690 *3,730 | *1690 *3,730 |
| 4.6 m 15' | | | | | | *3420 *7,540 | *3420 *7,540 | *2730 *6,020 | 2180 4,800 | | | *1570 *3,460 | *1570 *3,460 |
| 3.0 m 10' | | | | *5720 *12,620 | *5720 *12,620 | *4290 *9,460 | 3410 7,510 | 3550 7,840 | 2120 4,690 | | | *1580 *3,490 | *1580 *3,490 |
| 1.5 m 5' | | | | *8190 *18,060 | 6030 13,300 | *5260 *11,610 | 3210 7,080 | 3450 7,620 | 2030 4,490 | | | *1690 *3,740 | 1510 3,340 |
| 0.0 m 0' | | | | *6260 *13,810 | 5660 12,490 | 5340 11,790 | 3040 6,710 | 3370 7,440 | 1960 4,320 | | | *1940 *4,280 | 1530 3,380 |
| -1.5 m -5' | | *3490 *7,700 | *3490 *7,700 | *8570 *18,890 | 5580 12,310 | 5250 11,580 | 2960 6,540 | 3330 7,340 | 1920 4,240 | | | *2430 *5,360 | 1700 3,760 |
| -3.0 m -10' | | *7100 *15,650 | *7100 *15,650 | *7300 *16,100 | 5650 12,460 | *4940 *10,910 | 2970 6,560 | | | | | *3480 *7,670 | 2170 4,790 |
| -4.6 m -15' | | | | | | | | | | | | | |

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

LIFTING CAPACITIES



LIFTING CAPACITY (CONTINUED)



- 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:

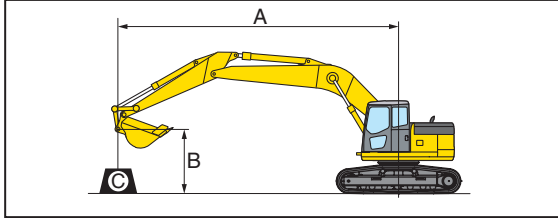
- Boom length: 4600 mm 15'1"
- Bucket: 0.50 m³ 0.65 yd³
- Bucket weight: 400 kg 883 lb.
- Lifting mode: On

| Arm: 2500 mm 8'2" | | Shoe: 700 mm 28" | | | | | | | | Unit: kg lb | | | |
|-------------------|---|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|---------------|-------------|----|-----------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ⊗ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | *3130 *6,910 | *3130 *6,910 | | | | | | | *2160 *4,760 | *2160 *4,760 |
| 6.1 m 20' | | | | | | *3060 *6,750 | *3060 *6,750 | | | | | *1690 *3,730 | *1690 *3,730 |
| 4.6 m 15' | | | | | | *3420 *7,540 | *3420 *7,540 | *2730 *6,020 | 2210 4,870 | | | *1570 *3,460 | *1570 *3,460 |
| 3.0 m 10' | | | | *5720 *12,620 | *5720 *12,620 | *4290 *9,460 | 3450 7,610 | 3600 7,950 | 2150 4,750 | | | *1580 *3,490 | *1580 *3,490 |
| 1.5 m 5' | | | | *8190 *18,060 | 6110 13,470 | *5260 *11,610 | 3250 7,180 | 3500 7,730 | 2060 4,560 | | | *1690 *3,740 | 1540 3,390 |
| 0.0 m 0' | | | | *6260 *13,810 | 5740 12,660 | 5420 11,960 | 3090 6,810 | 3420 7,550 | 1990 4,390 | | | *1940 *4,280 | 1560 3,440 |
| -1.5 m -5' | | *3490 *7,700 | *3490 *7,700 | *8570 *18,890 | 5660 12,490 | 5330 11,750 | 3010 6,640 | 3380 7,460 | 1950 4,310 | | | *2430 *5,360 | 1730 3,820 |
| -3.0 m -10' | | *7100 *15,650 | *7100 *15,650 | *7300 *16,100 | 5730 12,640 | *4940 *10,910 | 3020 6,650 | | | | | *3480 *7,670 | 2200 4,870 |
| -4.6 m -15' | | | | | | | | | | | | | |

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



LIFTING CAPACITY



- 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:

- Boom length: 4600 mm 15'1"
- Bucket: 0.36 m³ 0.5 yd³
- Bucket weight: 330 kg 730 lb.
- Lifting mode: On

| Arm: 3000 mm 9'10" | | Shoe: 500 mm 20" | | | | | | | | Unit: kg lb | | | |
|--------------------|---|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ⊗ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | | | *1770 *3,900 | *1770 *3,900 | | | | | *1690 *3,730 | *1690 *3,730 |
| 6.1 m 20' | | | | | | *2690 *5,940 | *2690 *5,940 | *1580 *3,480 | *1580 *3,480 | | | *1380 *3,050 | *1380 *3,050 |
| 4.6 m 15' | | | | | | *2740 *6,060 | *2740 *6,060 | *2630 *5,810 | 2180 4,820 | | | *1280 *2,830 | *1280 *2,830 |
| 3.0 m 10' | | | | *3640 *8,030 | *3640 *8,030 | *3420 *7,560 | *3420 *7,560 | *3210 *7,070 | 2120 4,670 | | | *1280 *2,830 | *1280 *2,830 |
| 1.5 m 5' | | | | *7690 *16,950 | 6080 13,410 | *4870 *10,750 | 3190 7,040 | 3420 7,540 | 2010 4,440 | *2080 *4,600 | 1360 3,010 | *1360 *3,000 | 1310 2,900 |
| 0.0 m 0' | | | | *7490 *16,530 | 5580 12,310 | 5260 11,610 | 2990 6,590 | 3310 7,300 | 1910 4,220 | *1980 *4,370 | 1320 2,920 | *1530 *3,370 | 1320 2,920 |
| -1.5 m -5' | | *3510 *7,750 | *3510 *7,750 | *8100 *17,870 | 5410 11,940 | 5130 11,320 | 2870 6,340 | 3240 7,160 | 1850 4,090 | | | *1850 *4,100 | 1450 3,200 |
| -3.0 m -10' | | *6630 *14,630 | *6630 *14,630 | *7900 *17,430 | 5450 12,020 | 5120 11,290 | 2860 6,310 | 3250 7,170 | 1860 4,110 | | | *2550 *5,630 | 1780 3,930 |
| -4.6 m -15' | | | | *5470 *12,060 | *5470 *12,060 | *3410 *7,530 | 2970 6,540 | | | | | *2920 *6,440 | 2750 6,070 |

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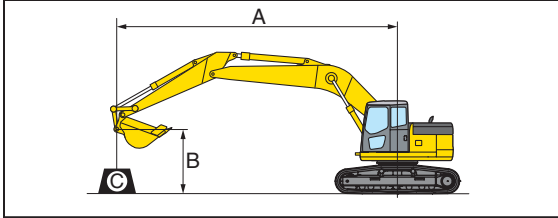
| Arm: 3000 mm 9'10" | | Shoe: 600 mm 24" | | | | | | | | Unit: kg lb | | | |
|--------------------|---|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------------|-----------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ⊗ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | | | *1770 *3,900 | *1770 *3,900 | | | | | *1690 *3,730 | *1690 *3,730 |
| 6.1 m 20' | | | | | | *2690 *5,940 | *2690 *5,940 | *1580 *3,480 | *1580 *3,480 | | | *1380 *3,050 | *1380 *3,050 |
| 4.6 m 15' | | | | | | *2740 *6,060 | *2740 *6,060 | *2630 *5,810 | 2210 4,880 | | | *1280 *2,830 | *1280 *2,830 |
| 3.0 m 10' | | | | *3640 *8,030 | *3640 *8,030 | *3420 *7,560 | *3420 *7,560 | *3210 *7,070 | 2150 4,740 | | | *1280 *2,830 | *1280 *2,830 |
| 1.5 m 5' | | | | *7690 *16,950 | 6150 13,560 | *4870 *10,750 | 3230 7,130 | 3470 7,650 | 2040 4,500 | *2080 *4,600 | 1380 3,050 | *1360 *3,000 | 1330 2,950 |
| 0.0 m 0' | | | | *7490 *16,530 | 5650 12,470 | 5330 11,770 | 3030 6,680 | 3360 7,400 | 1940 4,290 | *1980 *4,370 | 1340 2,970 | *1530 *3,370 | 1340 2,970 |
| -1.5 m -5' | | *3510 *7,750 | *3510 *7,750 | *8100 *17,870 | 5480 12,090 | 5200 11,470 | 2910 6,430 | 3290 7,260 | 1880 4,160 | | | *1850 *4,100 | 1470 3,250 |
| -3.0 m -10' | | *6630 *14,630 | *6630 *14,630 | *7900 *17,430 | 5520 12,180 | 5180 11,420 | 2900 6,400 | 3300 7,270 | 1890 4,170 | | | *2550 *5,630 | 1810 3,990 |
| -4.6 m -15' | | | | *5470 *12,060 | *5470 *12,060 | *3410 *7,530 | 3010 6,630 | | | | | *2920 *6,440 | 2790 6,160 |

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LIFTING CAPACITIES



LIFTING CAPACITY (CONTINUED)



- 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:

- Boom length: 4600 mm 15'1"
- Bucket: 0.36 m³ 0.50 yd³
- Bucket weight: 330 kg 730 lb.
- Lifting mode: On

| Arm: 3000 mm 9'10" | | Shoe: 700 mm 28" | | | | | | | | Unit: kg lb | | | |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ⊗ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.6 m 25' | | | | | | *1770 *3,900 | *1770 *3,900 | | | | | *1690 *3,730 | *1690 *3,730 |
| 6.1 m 20' | | | | | | *2690 *5,940 | *2690 *5,940 | *1580 *3,480 | *1580 *3,480 | | | *1380 *3,050 | *1380 *3,050 |
| 4.6 m 15' | | | | | | *2740 *6,060 | *2740 *6,060 | *2630 *5,810 | 2240 4,950 | | | *1280 *2,830 | *1280 *2,830 |
| 3.0 m 10' | | | | *3640 *8,030 | *3640 *8,030 | *3420 *7,560 | *3420 *7,560 | *3210 *7,070 | 2180 4,800 | | | *1280 *2,830 | *1280 *2,830 |
| 1.5 m 5' | | | | *7690 *16,950 | 6230 13,740 | *4870 *10,750 | 3270 7,220 | 3520 7,760 | 2070 4,570 | *2080 *4,600 | 1410 3,110 | *1360 *3,000 | *1360 *3,000 |
| 0.0 m 0' | | | | *7490 *16,530 | 5730 12,640 | 5410 11,940 | 3070 6,780 | 3410 7,520 | 1970 4,350 | *1980 *4,370 | 1370 3,020 | *1530 *3,370 | 1370 3,020 |
| -1.5 m -5' | | *3510 *7,750 | *3510 *7,750 | *8100 *17,870 | 5560 12,270 | 5280 11,640 | 2960 6,530 | 3340 7,370 | 1910 4,220 | | | *1850 *4,100 | 1500 3,310 |
| -3.0 m -10' | | *6630 *14,630 | *6630 *14,630 | *7900 *17,430 | 5600 12,350 | 5250 11,590 | 2950 6,500 | 3350 7,390 | 1920 4,240 | | | *2550 *5,630 | 1840 4,060 |
| -4.6 m -15' | | | | *5470 *12,060 | *5470 *12,060 | *3410 *7,530 | 3050 6,730 | | | | | *2920 *6,440 | 2830 6,250 |

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STANDARD EQUIPMENT

- Air cleaner, dry type, double element with auto dust evacuator
- Auto air conditioner
- Alternator, 35 Ampere, 24 V
- Auto-decel
- Automatic engine warm-up system
- Batteries, 64 Ah/2 x 12 V
- Boom holding valves
- Cab which includes: antenna, AM/FM radio, floor mat, intermittent front windshield wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield, sliding seat
- Cooling fan, mixed flow with fan guard
- Counterweight, 3750 kg **8,270 lb**
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA4D95LE-5
- Engine overheat prevention system
- Extended work equipment grease interval
- Fuel system pre-filter 10 micron
- High back suspension seat
- High pressure in-line filters
- Hydraulic track adjusters (each side)
- KOMTRAX™
- Light, one front
- Multi-function color monitor
- Pattern change valve
- PPC hydraulic control system
- Pump/engine partition
- Radiator and oil cooler dustproof net
- Seat belt, retractable 76 mm **3"** wide
- Service valve (1 additional)
- Shoe, 600 mm **24"** triple grouser
- Slip resistant plates
- Starting motor 4.5 kW
- Swing holding brake
- Travel alarm
- Rear view camera
- Working mode selection system



OPTIONAL EQUIPMENT

- 12 V power source
- Arms
 - 2100 mm **6'11"** arm assembly
 - 2500 mm **8'2"** arm assembly
 - 2500 mm **8'2"** arm with piping
 - 3000 mm **9'10"** arm assembly
- Blade assembly, **8'6"** wide (Welded cutting edge type)
- Bolt-on top guard, (operator protective guards level 2)
- Boom
 - 4600 mm **15'1"** boom assembly
 - 4600 mm **15'1"** boom with piping
- Cab front guard
 - Full height guard (level 1)
 - Full height guard (level 2)
- Hydraulic control unit
 - 1 additional actuator
- Shoes
 - 600 mm **24"** triple grouser
 - 700 mm **28"** triple grouser
 - 500 mm **20"** rubber pad (road liner)
 - 500 mm **20"** triple grouser
- Sun visor
- Track roller guard
- Track frame undercover



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