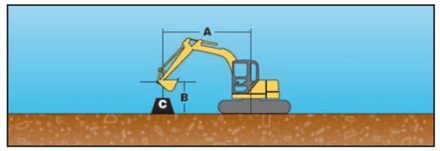
OPTIONAL EQUIPMENT

- Additional counterweight (**500 kg** 1,100 lb)
- Alternator, 60A
- Arm, **3000 mm** 9'10"
- Arm, **2100 mm** 6'11"
- Blade assembly (Bolt-on cutting edge type)
- Blade assembly (Welded cutting edge type)
- Hydraulic control unit —1 additional actuator
- Rear view monitoring system
- Shoes
  —**600 mm** 24" triple grouser
  —**700 mm** 28" triple grouser
  —**500 mm** 20" rubber pad (road liner)
- Track roller guard
- Track frame undercover
- Travel motor (Increased drawbar pull type)

LIFTING CAPACITY



Equipment:
- Boom: **4.6 m** 15'1"
- Bucket: **0.50 m³** 0.65 yd³
- Counterweight: **3250 kg** 7,160 lb

A: Reach from swing circle
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
❍: Rating at maximum reach

PC138US-8 **Shoe: 500 mm** 20" **Arm: 2.5 m** 8'2" Unit: **kg** lb

A / B	3.0 m 10'		4.6 m 15'		6.1 m 20'		❍ Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.1 m 20'			***3060** *6,750	***3060** *6,750			***1690** *3,730	***1690** *3,730
3.0 m 10'	***5770** *12,720	***5770** *12,720	***4320** *9,530	**2990** 6,600	**2880** 6,350	**1830** 4,040	***1580** *3,490	**1370** 3,040
0.0 m 0'	***5630** *12,420	**4840** 10,670	**4260** 9,390	**2600** 5,730	**2690** 5,950	**1660** 3,680	***1940** *4,280	**1290** 2,850
–3.0 m –10'	***6040** *13,330	**4820** 10,640	**4180** 9,230	**2540** 5,600			**3000** 6,630	**1850** 4,090

PC138US-8 **Shoe: 500 mm** 20" **Arm: 3.0 m** 9'10" Unit: **kg** lb

A / B	3.0 m 10'		4.6 m 15'		6.1 m 20'		❍ Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.1 m 20'			***2690** *5,940	***2690** *5,940	***1580** *3,480	***1580** *3,480	***1380** *3,050	***1380** *3,050
3.0 m 10'	***3690** *8,150	***3690** *8,150	***3740** *8,250	**3040** 6,700	**2900** 6,390	**1850** 4,080	***1280** *2,830	**1200** 2,660
0.0 m 0'	***5990** *13,200	**4830** 10,660	**4240** 9,360	**2580** 5,700	**2670** 5,900	**1640** 3,630	***1530** *3,370	**1120** 2,480
–3.0 m –10'	***5990** *13,210	**4680** 10,330	**4100** 9,040	**2450** 5,410	**2620** 5,780	**1590** 3,520	**2510** 5,540	**1530** 3,370

PC138US-8 **Shoe: 500 mm** 20" **Arm: 2.1 m** 6'11" Unit: **kg** lb

A / B	3.0 m 10'		4.6 m 15'		6.1 m 20'		❍ Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.1 m 20'			***3240** *7,150	**3120** 6,890			***2100** *4,650	***2100** *4,650
3.0 m 10'	***6480** *14,300	**5720** 12,620	***4630** *10,220	**2940** 6,500	**2850** 6,290	**1810** 4,000	***1950** *4,310	**1510** 3,340
0.0 m 0'	***5570** *12,280	**4800** 10,590	**4240** 9,360	**2590** 5,710	**2700** 5,950	**1670** 3,680	**2310** 5,090	**1420** 3,140
–3.0 m –10'	***6270** *13,830	**4880** 10,770	**4,230** 9,340	**2580** 5,700			**3500** 7,710	**2160** 4,770

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J/ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

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KOMATSU®

CEN00183-00

KOMATSU®

PC138US-8

HORSEPOWER
Gross: 72.1 kW 96.6 HP @ 2200 rpm
Net: 68.4 kW 91.7 HP @ 2200 rpm

OPERATING WEIGHT
13480–13850 kg 29,720–30,540 lb

BUCKET CAPACITY
0.18–0.6 m³ 0.24–0.78 yd³

ecot3

PC 138US

Photo may include optional equipment.

SAE

HYDRAULIC EXCAVATOR

WALK-AROUND

HORSEPOWER
Gross: 72.1 kW 96.6 HP @ 2200 rpm
Net: 68.4 kW 91.7 HP @ 2200 rpm

OPERATING WEIGHT
13480 – 13850 kg
29,720 – 30,540 lb

BUCKET CAPACITY
0.18 – 0.6 m³
0.24 – 0.78 yd³

Komatsu's PC138US-8 Series Hydraulic Excavators have a short tail swing profile, designed specifically for work in confined areas. By reducing tail swing, the PC138US-8 is perfect for work on road ways, bridges, in urban areas, or anywhere space is limited. The PC138US-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 provides **68.4 kW** 91.7 HP. This engine is EPA Tier 3 and EU Stage 3A emissions ready, without sacrificing power or machine productivity.

● Low Operation Noise

The dynamic noise is reduced providing low noise operation.

See page 4.

Upper Structure Features

- Slip resistant surfaces for improved foot traction
- Rear view monitoring system (optional)

See page 9.

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.

See page 5.

● High Stability

The PC138US-8 offers exceptional lifting capacity and high stability with a large counterweight.

See page 5.

● Mode Selection

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

See page 5.

GALEO

Genuine Answers for Land and Environment Optimization

Operation Features

● Small Tail Swing

- Excellent operation in tight quarters with small tail swing radius design
- Round profile provides short protrusion of front and rear portion of the upper structure.
- Occupies small road width for operation on narrow roads.

See pages 6 and 7.

- Wider Working Ranges : 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 PC138US-8.

See page 7.

Photo may include optional equipment.

Large TFT LCD Monitor

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

TFT : Thin Film Transistor
LCD : Liquid Crystal Display

See page 11.

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.

See page 8.

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 function enables only the cooling unit to be attached and detached.
- Equipped with the Equipment Management Monitoring System (EMMS) monitoring system.

See pages 10 and 11.

Excellent Reliability and Durability

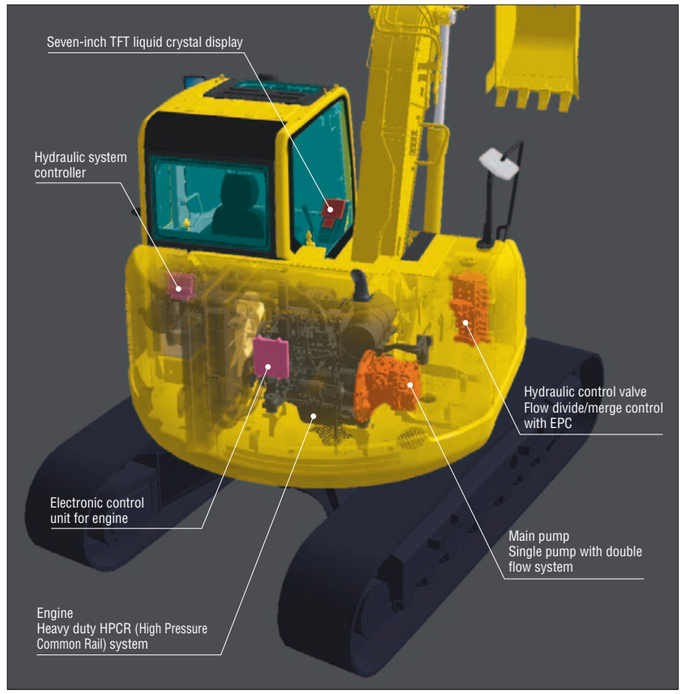
- High rigidity work equipment
- Sturdy frame structure
- Reliable Komatsu manufactured major components

See page 11.

PRODUCTIVITY & ECOLOGY FEATURES

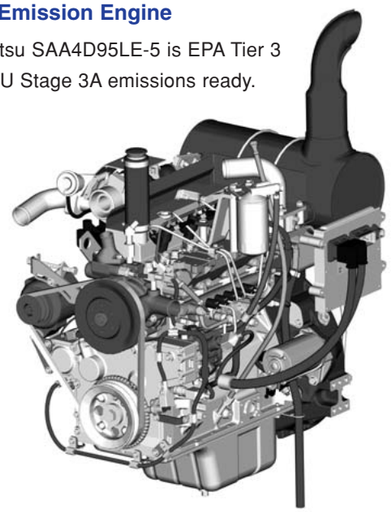
Komatsu Technology

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 and EU Stage 3A emissions ready.



ecot3
ecology & economy - technology 3

Low Operation Noise

Enables low noise operation using the low-noise engine and methods to cut noise at 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
- Airtight valve room

Large Digging Force

The PC138US-8 has a large bucket digging force and arm crowd force, that facilitates digging hard rock-bed. Digging force ISO rating.

	PC138US-8	PC120-6*
Bucket digging force	**93.2 kN** **9500 kgf** 20,950 lbf	**93.4 kN** **9520 kgf** 20,990 lbf
Arm crowd force	**61.8 kN** **6300 kgf** 13,890 lbf	**63.7 kN** **6500 kgf** 14,330 lbf

*PC120-6 measured with power max.

High Mobility

The PC138US-8 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 on job sites, traveling in rough terrain and climbing steep slopes.

High Stability

The PC138US-8 offers exceptional lifting capacity and high stability with a large cast-iron counterweight that requires no additional clearance.

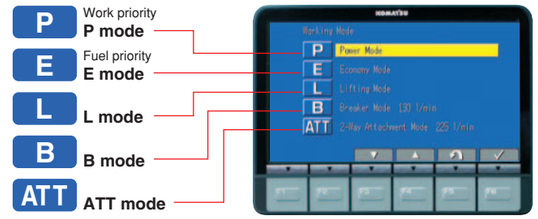
	PC138US-8	PC120-6
Lifting capacity*	**1290 kg** 2,850 lb	**1150 kg** 2,500 lb
Weight of counterweight	**3250 kg** 7,160 lb	**2255 kg** 4,960 lb

*At maximum reach, ground level height and overside.

Working Modes Selectable

The PC138US-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	● Maximum production/power ● Fast cycle times
E	Economy mode	● Good cycle times ● Better fuel economy
L	Lifting mode	● Suitable attachment speed
B	Breaker mode	● Optimum engine rpm, hydraulic flow
ATT	Attachment mode	● Optimum engine rpm, hydraulic flow, 2way



Eco-gauge that Assists Energy-saving Operations

The Eco-gauge on the right side of the multi-function color monitor provides environment-friendly energy-saving operation. Allows focus on operation in the green range with reduced CO_2 emissions and efficient fuel consumption.

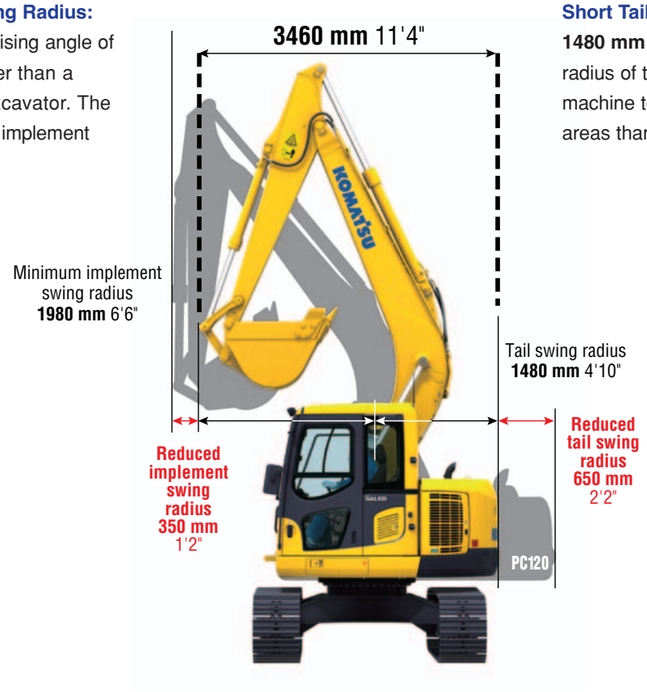
Idling Caution

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

OPERATION FEATURES

Safe Operation with Small Tail Swing Even in Confined Areas

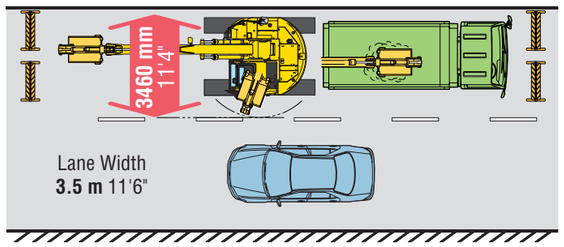
Short Implement Swing Radius:
1980 mm 6'6" boom raising angle of the PC138US-8 is larger than a conventional profile excavator. The result is reduced front implement swing radius.



Short Tail Swing Radius:
1480 mm 4'10" The short tail swing radius of the PC138US-8 allows the machine to work in more confined areas than a conventional machine.

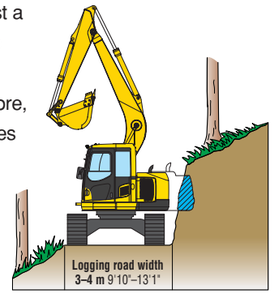
Roadwork

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. Large working space is 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.

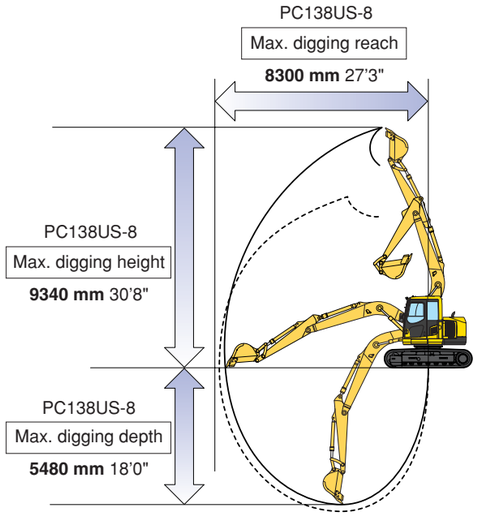


Demolition

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 PC138US-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 PC138US-8.



	PC138US-8	PC120-6
Maximum digging height	**9340 mm** 30'8"	**8610 mm** 28'3"
Maximum digging depth	**5480 mm** 18'0"	**5520 mm** 18'1"
Maximum dumping height	**6840 mm** 22'5"	**6170 mm** 27'2"

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.

Photo may include optional equipment.

WORKING ENVIRONMENT

***PC138US-8 cab interior** is spacious and provides a comfortable working environment...*

Large Comfortable Cab

Multi-position Controls

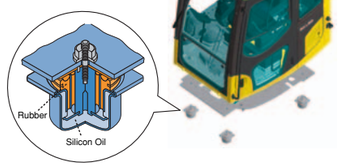
The multi-position, PPC (pressure proportional control) levers allow the operator to work in comfort while maintaining precise control.
A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the seat and controllers for maximum productivity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

Low Cab Noise

Cab is highly rigid and has excellent sound absorption ability. Thorough 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.

Comfortable Ride with Viscous Cab Mounts

Viscous mounts are adopted for 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 prevent external dust from entering the cab.

Large Cab

Large cab provides ample operation space. The cab has wide doorway for easy access.

Automatic Air Conditioner

Automatic air conditioner is utilized. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps cab glass clear.

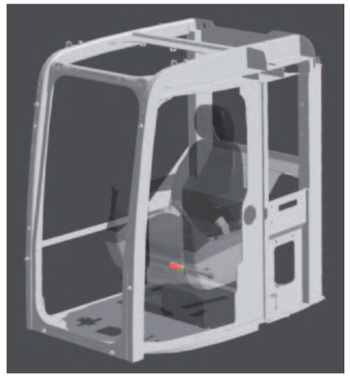
Sliding Convex Door

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. The seat belt keeps the operator in the safety of the cab in the event of a rollover.



Retractable Seat Belt

Easy-to-use retractable seat belt is employed.

Tempered and Tinted Glass

The glass features high strength and blocks ultraviolet rays.

Emergency Escape Hammer

The cab is equipped with an emergency escape hammer for breaking the rear window glass in case of an emergency.

Travel Alarm

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

Pump/engine Room Partition

Pump/engine room partition prevents oil from spraying on the engine if a hydraulic hose should burst.

Anti-slip Plates

Highly durable slip resistant plates maintain superior foot traction performance.

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

Rear View Monitoring System (optional)

The operator can view the rear of the machine with a color monitor screen.

Monitor for rear view camera

Wide Visibility

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

Skylight

Skylight with window can be opened for overhead visibility.

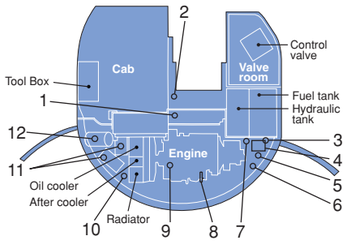
MAINTENANCE FEATURES

Easy Maintenance

Komatsu designed the PC138US-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 PC138US-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

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

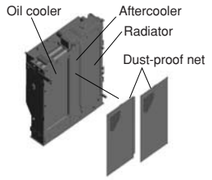
Removes water and contaminants in the fuel to prevent fuel problems.

Washable Floor

The PC138US-8's floor is easy to keep clean. The gently inclined surface has a flanged floor mat and drainage holes to facilitate run off.

Side-by-side Cooling

The oil cooler, aftercooler and radiator are installed side by side. As a result, it is very easy to clean the radiator, etc. In addition, the operator can remove and install the aftercooler, radiator and oil cooler in a short time.



Large Tool Box

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

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

Long Greasing Interval

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

Large TFT LCD Monitor

Large multi-lingual LCD Monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations. Displays data in 12 languages to globally support operators around the world.

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

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

EMMS (Equipment Management Monitoring System)

Monitor function

Controller monitors engine oil level, coolant temperature and battery charge, etc. If 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

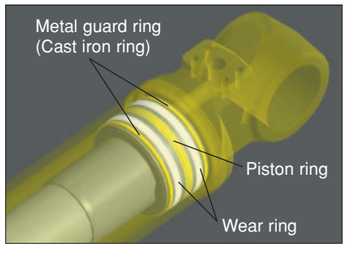
High Rigidity Work Equipment

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.

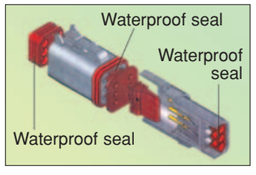


Reliable Components

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

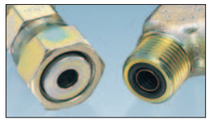
DT-type Connectors

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.



SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA4D95LE-5
Type . . . . . Water-cooled, 4-cycle
Aspiration . . . . . Turbocharged, and air-to-air aftercooled
Number of cylinders 4
Bore x stroke . . . . . **95 mm** x **115 mm** 3.74" x 4.53"
Piston displacement. . . . . **3.26 ltr** 199 in³
Governor . . . . . All-speed control, electronic
Flywheel horsepower
ISO 9249 / SAE J1349. . . . . Gross **72.1 kW** 96.6 HP
Net **68.4 kW** 91.7 HP
Rated rpm . . . . . 2200 rpm
Fuel system . . . . . Direct injection
Lubrication system
Method . . . . . Gear pump, force-lubrication
Filter . . . . . Full-flow
Air cleaner . . . . . Dry-type with double elements and auto dust evacuator, plus dust indicator
Meets 2006 EPA Tier 3 and EU Stage 3A
Starting motor . . . . . **4.5 kW**/24 V
Alternator . . . . . **35 A**/24 V
Battery . . . . . **64 Ah**/2 x 12 V

HYDRAULICS SYSTEM

Type . . . . . HydrauMind (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** 63.9 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, travel circuit . . . . . **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** 4.5" x 46.3"
Bucket. . . . . 1–**95 mm x 885 mm** 3.9" 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

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
Seal of track . . . . . Sealed track
Track adjuster . . . . . Hydraulic
Number of shoes . . . . . 43 each side
Number of carrier rollers . . . . . 1 each side
Number of track rollers . . . . . 7 each side

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . **195 ltr** 51.5 U.S. gal
Radiator . . . . . **12.4 ltr** 3.3 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 **0.50 m³** 0.65 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

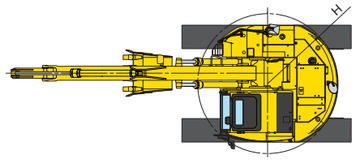
Shoes		Operating Weight		Ground Pressure		
mm	in	**kg**	lb	**kPa**	**kg/cm²**	psi
500	20"	**13480**	29,720	**42.2**	**0.43**	6.11
600	24"	**13670**	30,140	**35.3**	**0.36**	5.12
700	28"	**13850**	30,540	**30.4**	**0.31**	4.41

STANDARD EQUIPMENT

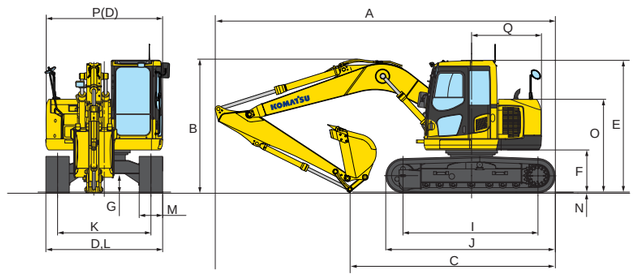
- Air cleaner, double element with auto dust evacuator
- Auto air conditioner
- Alternator, 35 Ampere, 24 V
- Batteries, 64 Ah/2 x 12 V
- Cab which includes: antenna, AM/FM radio, floor mat, intermittent front windshield wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield, sliding rear window, sliding seat
- Cooling fan, mixed flow with fan guard
- Counterweight, **3250 kg** 7,160 lb
- Dustproof net for radiator and oil cooler
- Monitor panel
- Light, one front
- Auto deceleration
- Pump/engine partition cover
- Shoe, **500 mm** 19.7" triple grouser
- Starting motor 4.5 kW
- Swing holding brake
- Travel alarm

DIMENSIONS

	Boom Length	**4600 mm**	15'1"	**4600 mm**	15'1"	**4600 mm**	15'1"
	Arm Length	**2500 mm**	8'2"	**3000 mm**	9'10"	**2100 mm**	6'11"
A	Overall length	**7260 mm**	23'10"	**7160 mm**	23'6"	**7275 mm**	23'10"
B	Overall height (to top of boom)	**2850 mm**	9'4"	**3210 mm**	10'6"	**2690 mm**	8'10"
C	Length on ground (transport)	**4400 mm**	14'5"	**4290 mm**	14'1"	**4660 mm**	15'3"

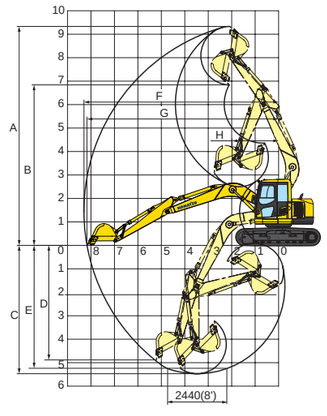


D	Overall width	**2490 mm**	8'2"
E	Overall height (to top of cab)	**2815 mm**	9'3"
F	Ground clearance, counterweight	**900 mm**	2'11"
G	Minimum ground clearance	**395 mm**	1'4"
H	Tail swing radius	**1480 mm**	4'10"
I	Length of track on ground	**2880 mm**	9'5"
J	Track length	**3610 mm**	11'10"
K	Track gauge	**1990 mm**	6'6"
L	Width of crawler	**2490 mm**	8'2"
M	Shoe width	**500 mm**	19.7"
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	**1480 mm**	4'10"



WORKING RANGE

	Boom	**4600 mm**	15'1"	**4600 mm**	15'1"	**4600 mm**	15'1"
	Arm	**2500 mm**	8'2"	**3000 mm**	9'10"	**2100 mm**	6'11"
A	Maximum digging height	**9340 mm**	30'8"	**9700 mm**	31'10"	**9020 mm**	29'7"
B	Maximum dumping height	**6840 mm**	22'5"	**7350 mm**	24'1"	**6525 mm**	21'5"
C	Maximum digging depth	**5480 mm**	18'0"	**5900 mm**	19'4"	**5070 mm**	16'8"
D	Maximum vertical wall digging depth	**4900 mm**	16'1"	**5340 mm**	17'6"	**4490 mm**	14'9"
E	Maximum digging depth of cut for **2440 mm** 8' level	**5265 mm**	17'3"	**5715 mm**	18'9"	**4830 mm**	15'10"
F	Maximum digging reach	**8300 mm**	27'3"	**8720 mm**	28'7"	**7930 mm**	26'0"
G	Maximum digging reach at ground	**8180 mm**	26'10"	**8600 mm**	28'3"	**7805 mm**	25'7"
H	Minimum swing radius	**1980 mm**	6'6"	**2265 mm**	7'5"	**1845 mm**	6'1"
ISO	Bucket digging force	**93.2 kN** **9500 kgf**	20,950 lbf	**88.3 kN** **9000 kgf**	19,840 lbf	**88.3 kN** **9000 kgf**	19,840 lbf
	Arm crowd force	**61.8 kN** **6300 kgf**	13,890 lbf	**55.9 kN** **5700 kgf**	12,570 lbf	**71.6 kN** **7300 kgf**	16,090 lbf
SAE	Bucket digging force	**81.4 kN** **8300 kgf**	18,300 lbf	**78.0 kN** **7950 kgf**	17,530 lbf	**78.0 kN** **7950 kgf**	17,530 lbf
	Arm crowd force	**60.8 kN** **6200 kgf**	13,670 lbf	**54.4 kN** **5550 kgf**	12,240 lbf	**69.6 kN** **7100 kgf**	15,650 lbf



BACKHOE BUCKET AND ARM COMBINATION

Bucket Capacity (heaped)		Width		Weight	Number of Teeth	Arm Length		
SAE, PCSA	CECE	Without Side Cutters	With Side Cutters			2500 mm 8'2"	3000 mm 9'10"	2100 mm 6'11"
0.18 m³ 0.24 yd³	**0.16 m³** 0.21 yd³	**450 mm** 17.7"	**570 mm** 22.4"	**256 kg** 565 lb	3	○	○	○
0.28 m³ 0.37 yd³	**0.26 m³** 0.34 yd³	**600 mm** 23.6"	**720 mm** 28.3"	**303 kg** 670 lb	3	○	○	○
0.36 m³ 0.50 yd³	**0.33 m³** 0.43 yd³	**700 mm** 27.6"	**820 mm** 32.3"	**330 kg** 730 lb	4	○	○	○
0.50 m³ 0.65 yd³	**0.45 m³** 0.59 yd³	**859 mm** 33.8"	**979 mm** 38.5"	**399 kg** 880 lb	4	○	X	○
0.60 m³ 0.78 yd³	**0.55 m³** 0.72 yd³	**1000 mm** 39.4"	NA	**436 kg** 960 lb	5	□	X	□

○—General digging □—Light-duty operation X— Not available