KOMATSU

PC88MR-11

Compact hydraulic excavator Tier 4 Final engine



Photos in this brochure may include optional equipment

Net horsepower	Operating weight	Bucket capacity
68 HP @ 1,850 rpm	18,739-19,224 lbs.	0.12-0.26 yd^3
(51 kW @ 1,850 rpm)	(8,500-8,720 kg)	(0.09-0.20 m^3)

Walk-around

Efficiency

Reliability

Productivity

Net horsepower
68 HP @ 1,850 rpm
(51 kW @ 1,850 rpm)

Operating weight
18,739-19,224 lbs.
(8,500-8,720 kg)

Bucket capacity
0.12-0.26 yd^3
(0.09-0.20 m^3)



Performance, reliability and durability

Rugged Komatsu-designed front work equipment, long undercarriage and a powerful swing system is designed to deliver high performance in demanding job site applications. A spacious cab with all LED lighting provides a comfortable operator working environment. Enhanced controller logic and new Tier 4 Final engine technology deliver excellent performance and fuel efficiency.

A high output Komatsu SAA3D95E-1 engine provides a net output of 68 HP (51 kW). This engine is EPA Tier 4 Final emissions certified.

Viscous fan clutch provides up to 2% lower fuel consumption.

Komatsu Diesel Oxidation Catalyst (KDOC) reduces particulate matter using passive regeneration 100% of the time. No AdBlue®/DEF or DPF is required.

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

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

Large LCD color monitor panel
- 7-inch high-resolution screen
- Provides "Ecology Guidance" for fuel-efficient operation
- Enhanced attachment control

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
- High-back suspension operator seat
- Integrated ROPS cab design
- Cab meets ISO Operator Protective Guard (OPG) top guard level 1
- Auxiliary jack and two (2) 12-volt outlets

Minimum swing radius with swing boom allows the PC88MR-11 to easily operate in confined spaces.

Proportional control of the attachment circuit on the joystick handles. Standard auxiliary attachment circuit piping includes shut off valves at end of the arm.

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

Komatsu designed and manufactured components

Large service doors help improve maintenance accessibility with centralized ground-level filters relocated to a common area.

Komatsu Auto Idle Shutdown helps reduce idle time and operating costs.

Standard 7 ft. 7 in (2,330 mm) blade redesigned to roll material for more efficient backfilling.

Standard pattern change valve

Bluetooth radio with wireless technology and USB

LED work lamps are standard equipment.



Thumb is not standard. All comparisons are made with respect to the prior Komatsu model unless otherwise specifically stated.

Performance features

Komatsu new engine technologies

A new high-output 2.4-liter engine

Komatsu's new, in-house-developed high-output 2.4-liter engine in designed to help meet user requirements. Its digging efficiency and environmental performance are top-of-the-class, offering high power and low fuel consumption with a compact engine. Centralized ground-level access filters help reduce maintenance time.



Improved efficiency

Improved total vehicle control promotes optimum performance under a wide variety of operational conditions. Improvements such as variable speed matching of engine speed according to hydraulic pump output, reduction of hydraulic pressure loss and a fan clutch help significantly reduce fuel consumption, while enabling higher operating speeds.

Compared to the PC88MR-11



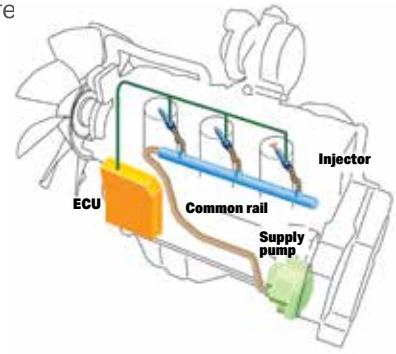
New engine technologies

Electronic control system

Adapt to your conditions with an electronic control system that adjusts the machine's behavior based on the operator's actions and terrain. Stay updated and work effectively with engine and machine updates on the in-cab monitor. Monitor and manage your work equipment data with Komtrax to help enhance performance and optimize usage.

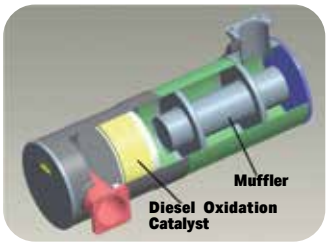
Heavy-duty, high-pressure common rail fuel injection system

This system is designed to deliver fuel precisely and efficiently to the engine's combustion chambers at extremely high pressure to help decrease particulate matter (PM) emissions and nitrogen oxide. With efficient combustion, this system also helps promote a reduction in fuel consumption.



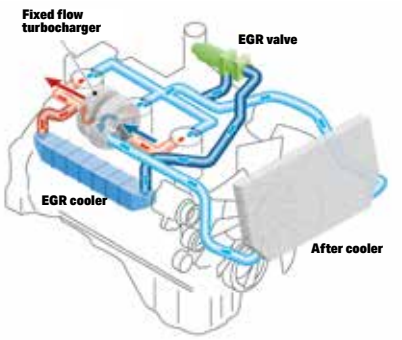
Komatsu Diesel Oxidation Catalyst (KDOC)

The Komatsu Diesel Oxidation Catalyst (KDOC) has an integrated design that does not interfere with daily operation. This smart and simplified system removes soot using 100% passive regeneration without the need for a Diesel Particulate Filter. The KDOC has a low-maintenance design that helps contribute to reduced operating costs due to fewer complexities and a more seamless operation.



Cooled exhaust gas recirculation (EGR)

Work effectively with a cooled EGR system designed to reduce nitrogen oxide emissions and enhance performance during demanding work conditions.



Low noise with variable matching control

A compact engine creates room for a fan clutch system, enabling the engine and hydraulic system turning through variable matching control system to reduce noise.

Surrounding noise

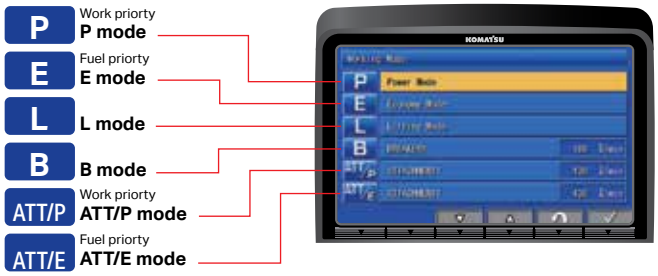
Reduced 1.0 dbA

Compared to the PC88MR-11

Adapt with working mode selection

The PC88MR-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 PC88MR-11 features a new mode (ATT/E) which allows operators to run attachments while in economy mode.

Working Mode	Application	Advantage
P	Power mode	•Maximum production/power •Fast cycle times
E	Economy mode	•Good cycle times •Better fuel economy
L	Lifting mode	•Increases hydraulic pressure
B	Breaker mode	•Optimized engine rpm, hydraulic flow
ATT/P	Attachment Power mode	•Optimized engine rpm, hydraulic flow, 2-way •Power mode
ATT/E	Attachment Economy mode	•Optimized engine rpm, hydraulic flow, 2-way •Economy mode



Working mode selectable

Ecology gauge and fuel consumption gauge

Ecology guidance

Auto-decelerator

Performance features

Complete tasks quickly and effectively

Get fast cycle times with high digging speed performance driven by efficient arm and bucket forces. High arm crowd and bucket curl forces work together making it easier to work in tough digging conditions. The smooth integration of multiple operational controls allows operators to have precise control over the excavator's movements for enhanced performance.

Productivity (90-degree dump loading)

P mode **up to 7% increase**

Compared to the PC88MR-11

Enhanced operator awareness

Strategically placed LED lamps on the boom and cab help improve operator visibility in low-light conditions.



Photo may include optional equipment.



Tackle a wide range of tasks with smooth multifunction operation

Quick arm speed helps make leveling work easy and fast. Get jobs done faster with improved combined hoist and swing speed.

Move and distribute materials with ease

Handle a wide range of tasks on the job site with this excavator's improved blade design. Roll materials fast for efficient dozing work and backfilling.



Enhance your operational efficiency

The travel speed selector on blade lever allows operators to engage high speed travel without removing hands from the controls. Travel speed automatically shifts up or down within the selected speed range.



Equipped with a blade as standard equipment

A blade for efficient backfilling and leveling work is equipped as standard.



Versatility to up your productivity

Accommodate a broad range of attachments to expand application versatility with an auxiliary hydraulic circuit that provides up to a 12% increase* in hydraulic flow.

Hydraulic flow to the attachment

up to 12%

*Compared to the PC88MR-11

Programmable attachment memory

Simplify and expedite the process of changing between hydraulic attachments. Equipped with universal piping for attachments such as breakers or crushers, just push the breaker mode switch on the monitor to convert to low-pressure (one-way flow) mode.





Maintenance features

Maintenance made easier

Larger and more access doors improve ability to get to important components and areas for inspection, repairs or routine maintenance.

1. Easier access to side-by-side cooling cores with enlarged access panels and doors
2. Air conditioning condenser swings open for improved access to radiator for cleaning





Centralized ground-level access with filters relocated to a common area

Perform maintenance easily and quickly with a layout that centralizes fuel/oil filters at optimal height for easy access, promoting reduced labor during periodic inspections.





Engine oil drain valve

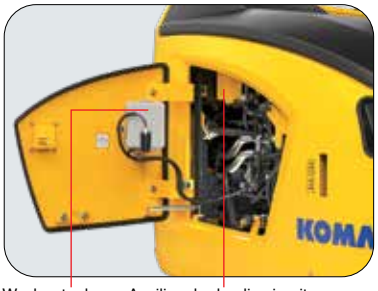
An easy-to-access engine oil drain valve helps simplify maintenance and makes it easier to collect used oil.

Improved fueling access

Improved right-hand locking fuel tank cover provides easier ground-level access to fuel tank filler port and makes it easier to collect used oil.



The auxiliary hydraulic circuit return filter has been relocated for easier ground-level access alongside the windshield washer tank.



Easy-to-clean floor mat

The custom fit molded floor mat is easy to remove for cleaning.



Optimize engine performance

The closed-circuit cooling system works to ensure that the machine operates within safe temperatures and requires minimal maintenance.

Fan belt auto-tensioner

Low-maintenance fan belt auto-tensioner.

Battery disconnect switch

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



Long-life oil filter

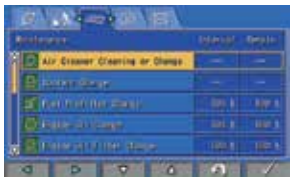
Engine oil and engine oil filter	every **500** hours
Hydraulic oil	every **5000** hours
Hydraulic oil filter	every **1000** hours


Hydraulic oil filter

Proactively schedule maintenance

Keep track and stay informed with the maintenance time monitor. Adjust the setting for a convenient service reminder (between 10 and 200 hours), or press the F6 key to see when maintenance is due next.

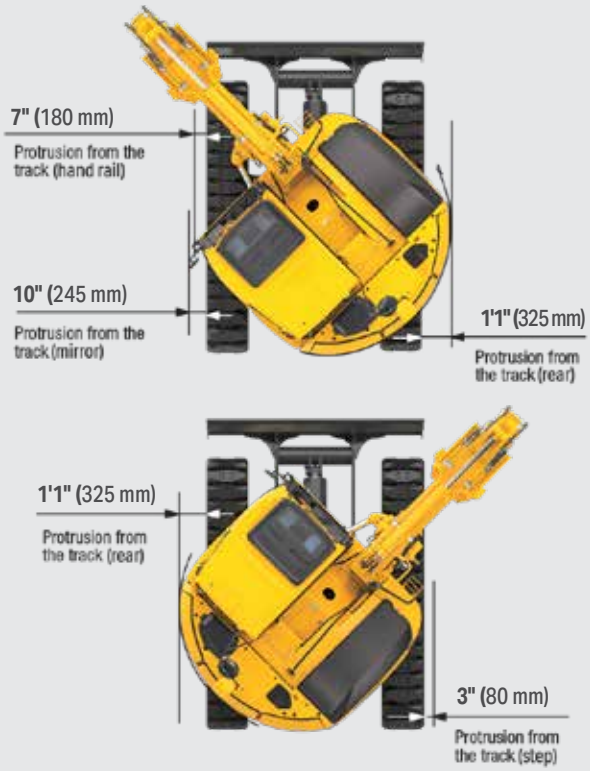



Maintenance screen

Operation features

Maneuverability that makes a difference

Compact design with only 13" (325 mm) tail swing beyond the tracks makes this machine ideally suited for operation in confined areas.





Ideal for working against walls

The machine's swing boom design allows operators to work in close proximity to obstacles like walls, buildings or other structures and dig parallel to the tracks.



Promote job site awareness

Enhance operator visibility with a clear, real-time view of the area behind the excavator on a color monitor screen. Visibility on the right hand side has been improved by modifying the right soil cover.





Right side visibility

Redesigned right front compartment hood provides improved operator visibility.



Operator and maintenance safety

When the lock lever is placed into lock position, the travel, swing, boom, arm, bucket and blade functions are all deactivated.



Lever shown in lock position

Effective protection for operators

The machine features a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock absorption performance, and excellent durability and impact strength. It also satisfies the requirements of ISO OPG top guard level 1 for falling objects. The cab also features a retractable seat belt.



Rearview monitoring system

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



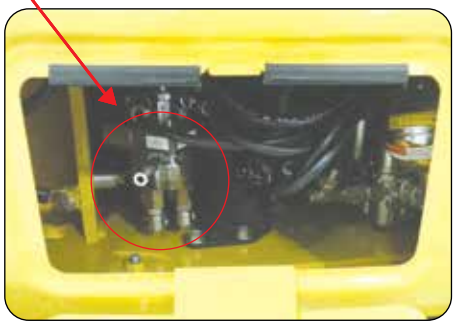


Rear view image on monitor

Switch between functions efficiently

A pattern change valve is standard and conveniently located below the cab, making switching from excavator to backhoe joystick control pattern quick and easy.





Working environment

Stay comfortable and connected while operating

The comfortable, pressurized cab is spacious with a low interior noise level at 71 dbA to enable longer operations with less operator fatigue. It also includes a reclining suspension seat with deep side supports and backrest angles that can be adjusted using a pull-up lever for optimal operating posture. Stay connected with a multifunction AM/FM radio, USB and Bluetooth wireless technology.





Suspension seat

Noise level at operator ears

71 dbA





Multifunction stereo

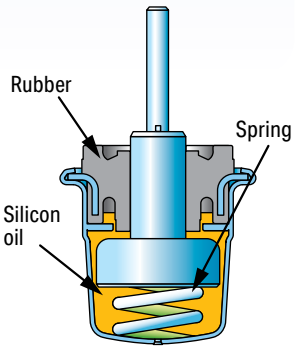
Automatic air conditioner



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.

Designed to reduce vibration

Low vibration with viscous cab mounts incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck helps reduce vibration at the operator's seat.



Large high resolution liquid crystal display (LCD) monitor



Make informed decisions with machine monitor interface

The interface has been redesigned to enable the necessary information to be read and understood more easily, while retaining the maneuverability of previous models. A rearview camera image has been added to the default main screen. The interface has a function that enables the main screen to be switched, thus enabling the most useful screen for the particular work situation to be displayed.

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. Service meter, clock
10. Fuel consumption gauge
11. Guidance icon
12. Function switches

Basic operation switches

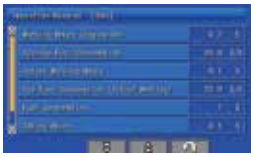
1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Window washer

Work efficiently with guidance and gauges

During operation, operators can refer to the ecology guidance screen for real-time notification of the machine's status. The monitor also has an ecology gauge and a fuel consumption gauge that allows operators to set any desired target value of fuel consumption, enabling operation to promote better fuel economy. Check operation records, fuel consumption history and ecology guidance records with a single touch.

- Avoid excessive engine idling
- Use "economy" mode to save fuel
- Avoid hydraulic relief pressure
- Reduce engine speed during long travel to help save fuel



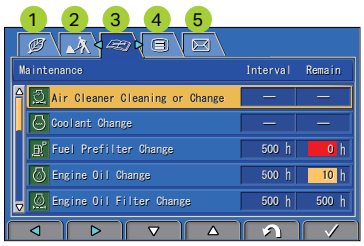

Operation record


Fuel consumption history


Ecology guidance record

Visual user menu

Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function and have easy-to-understand icons to help make operating the machine easier.



1. Energy saving guidance
2. Machine settings
3. Maintenance
4. Monitor setting
5. Mail check

Komatsu helps you bring it all together

Get the most out of your fleet on My Komatsu

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

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



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



Data
Telematics data is generated by on-machine technology.



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



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



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

mykomatsu.komatsu

Connect your machines to Smart Construction to optimize your job sites

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



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

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



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

komatsu.com/smart-construction

Komatsu maintenance and repair programs

Simplify the complexities of machine owning and operating costs and enhance the value of your equipment with Komatsu's tiered maintenance and repair offerings. Manage your active coverage programs through the My Komatsu customer interface and take advantage of attractive financing options.

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



Komatsu Care Complimentary
Complimentary maintenance
Our complimentary scheduled maintenance program for the first 36 months or 1,500 hours, whichever occurs first.

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

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

Komatsu Care Plus III
Extended maintenance, repair and consumables
A comprehensive program that simplifies your equipment's total cost of ownership with a fixed cost per hour for qualifying repairs and replacements.

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

komatsu.com/maintenance-repair

Komatsu Financial

Financial services built for your business success.

komatsu.com/financing

Komatsu Genuine Parts

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

komatsu.com/parts

Komatsu training

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

komatsu.com/training



Specifications

Engine

Model		Komatsu SAA3D95E-1*
Type		Water-cooled, 4-cycle, direct injection
Aspiration		Turbocharged, aftercooled, cooled EGR
Number of cylinders		3
Bore	3.74"	95 mm
Stroke	4.52"	115 mm
Piston displacement	149.5 in^3	2.45 L
Horsepower		
SAE J1995 (gross)	68 HP	50.7 kW
ISO 9249/SAE J1349 (net)	67.9 HP	50.6 kW
Rated rpm		1,850 rpm
Fan drive method for radiator cooling		Mechanical with viscous fan clutch
Governor		All-speed control, electronic

*U.S. EPA Tier 4 Final emission certified

Hydraulics

Type: HydrauMind (Hydraulic mechanical intelligence system), closed-center system with load sensing valves and pressure compensated valves			
Number of selectable working modes			6
Main pumps			
Type			Variable displacement, axial position
Pumps for			Boom, arm, bucket, swing and travel circuits
Maximum flow	42.4 gpm		160 L/min
Type			Fixed displacement gear
Pumps for			Blade
Maximum flow	17 gpm		63 L/min
Supply for control circuit			Self-reducing valve
Hydraulic motors			
Travel			2 x axial piston motors with parking brake
Swing			1 x axial piston motor with swing holding brake
Relief valve setting			
Implement circuits	26.5 MPa	3,844 psi	270 kg/cm^2
Travel circuits	26.5 MPa	3,844 psi	270 kg/cm^2
Swing circuits	21.0 MPa	3,060 psi	215 kg/cm^2
Pilot circuits	3.2 MPa	464 psi	33 kg/cm^2
Blade circuits (raise)	12.7 MPa	1,842 psi	130 kg/cm^2
Blade circuits (lower)	21.1 MPa	3,060 psi	215 kg/cm^2
Hydraulic cylinders			*(bore x stroke x rod diameter)*
Boom (1)	4.53" x 38.9" x 2.56"	115 mm x 988 mm x 65 mm	
Arm (1)	3.9" x 33.9" x 2.36"	100 mm x 861 mm x 60 mm	
Bucket (1)	3.54" x 27.95" x 2.17"	90 mm x 710 mm x 55 mm	
Swing (1)	4.72" x 25.12" x 2.36"	120 mm x 638 mm x 60 mm	
Blade (1)	5.12" x 7.87" x 2.56"	130 mm x 200 mm x 65 mm	
Auxiliary hydraulics			
Two-way	36.5 gpm	138 L/min	
Relief	26.51 MPa	3,830 psi	270 kg/cm
One-way	21.1 gpm	80 L/min	
Relief in breaker mode	17.17 MPa	2,490 psi	180 kg/cm

Drives and brakes

Steering control		Two levers with pedals
Drive method		Hydrostatic
Maximum drawbar pull	68.1 kN 15,309 lbf	6,950 kgf
Maximum travel speed		
High	3.1 mph	5.0 km/h
Low	1.9 mph	2.7 km/h
Service brake		Hydraulic lock
Parking brake		Mechanical disc

Swing system

Drive method	Hydraulic motor
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Swing lock	Mechanical disc brake
Swing speed	10 rpm

Undercarriage

Center frame	X-frame leg
Track frame	Box-section
Track type	Sealed
Track adjuster	Hydraulic
Number of shoes (each side)	39
Number of carrier rollers (each side)	1
Number of track rollers (each side)	5

Coolant (refilling) and lubricant capacity

Fuel tank	33 gal	125 L
Radiator	4.8 gal	18 L
Engine	2.7 gal	10.5 L
Final drive (each side)	.29 gal	1.1 L
Swing drive	.74 gal	2.8 L
Hydraulic tank	14.8 gal	56 L

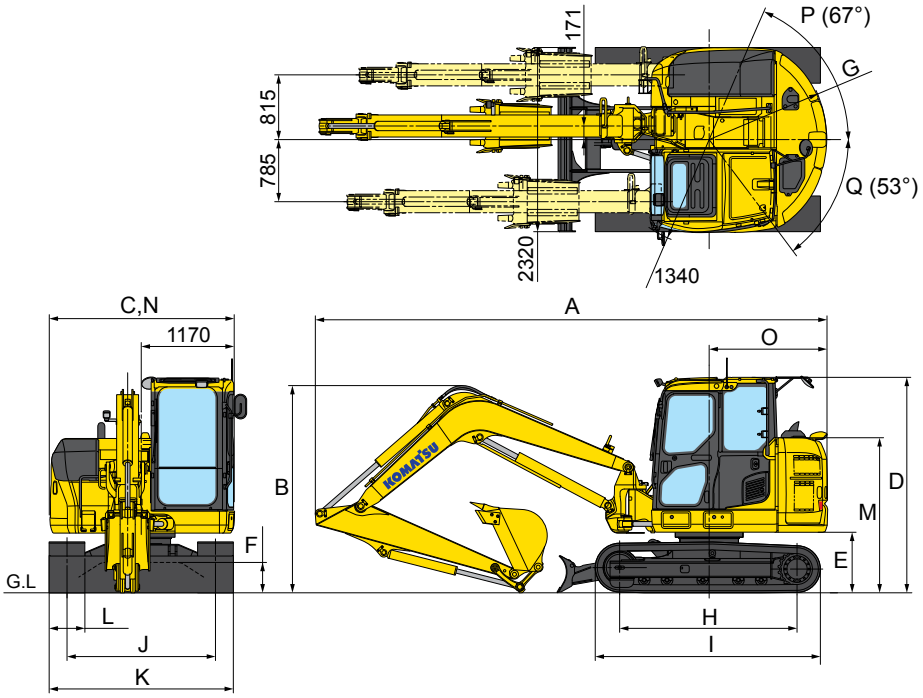
Operating weight (approximate)

Includes:
- One-piece boom 11'2" (3,405 mm)
- Processor arm 6'11" (2,100 mm)
- ISO 7451 heaped bucket .26 yd^3 (0.20 m^3)
- Blade
- Rated capacity of lubricants
- Coolant
- Full fuel tank
- Operator and standard equipment

Track shoes		Operating weight		Ground Pressure (ISO 16754)		
Road liner	18" 450 mm	19,224 lbs.	8,720 kg	38.2 kPa	5.54 psi	.39 kg/cm^2
Triple grouser	18" 450 mm	18,916 lbs.	8,580 kg	38.2 kPa	5.54 psi	.39 kg/cm^2
Triple grouser	24" 600 mm	19,290 lbs.	8,750 kg	29.4 kPa	4.26 psi	.38 kg/cm^2
Rubber track	18" 450 mm	18,739 lbs.	8,500 kg	37.3 kPa	5.41 psi	.38 kg/cm^2

Working forces

Arm length 6'11" (2,100 mm)			
ISO rating			
Bucket digging force	13,781 lbs.	61.3 kN	6,250 kgf
Arm crowd force	8,161 lbs.	36.3 kN	3,700 kgf
SAE rating			
Bucket digging force	11,982 lbs.	53.3 kN	5,440 kgf
Arm crowd force	7,711 lbs.	34.3 kN	3,500 kgf



Dimensions

	Boom length		11'2" (3,405 mm)
A	Overall length		21'1" (6,430 mm)
B	Overall height (to top of boom)		8'7" (2,615 mm)
C	Overall width		7'8" (2,330 mm)
D	Overall height (to top of cab)		9'0"/*8'9" (2,740/*2,710 mm)
E	Ground clearance, counterweight		2'7" (785 mm)
F	Ground clearance, minimum		1'4" (410 mm)
G	Tail swing radius		4'10" (1,485 mm)
H	Track length on ground		7'4" (2,235 mm)
I	Track length		9'6"/*9'4" (2,890/*2,840 mm)
J	Track gauge		6'2" (1,870 mm)
K	Width of crawler	18" (450 mm) shoe	7'2" (2,170 mm)
		24" (600 mm) shoe	7'7" (2,320 mm)
L	Shoe width		1'6"/2'0" (450/600 mm)
M	Machine engine hood height		6'6" (1,975 mm)
N	Machine cab width		7'8" (2,330 mm)
O	Distance, swing center to rear end		4'10" (1,485 mm)
P	Boom swing angle to left		67°
Q	boom swing angle to right		53°

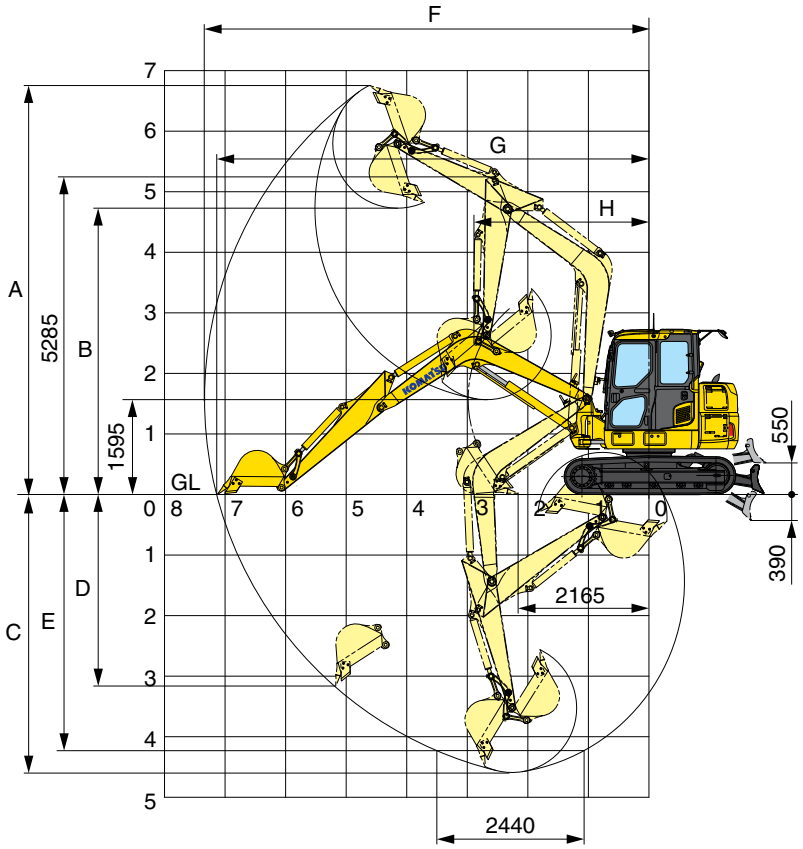
*Dimension of the machine with the triple grouser shoes

Backhoe bucket, arm and boom combinations

Bucket Capacity (heaped)		Width		Weight	Number of Teeth	Arm Length 6'11' (2,100 mm)
SAE, PCSA	CECE	Without Cutters	With Cutters			
0.12 yd³ (0.09 m³)	0.10 yd³ (0.08 m³)	13.7" (350 mm)	17.7" (450 mm)	319.7 lb (145 kg)	3	0
0.16 yd³ (0.12 m³)	0.14 yd³ (0.11 m³)	17.7" (450 mm)	21.7" (550 mm)	352.7 lb (160 kg)	3	0
0.26 yd³ (0.20 m³)	0.24 yd³ (0.18 m³)	21.7" (550 mm)	25.6" (650 mm)	407.9 lb (185 kg)	3	0

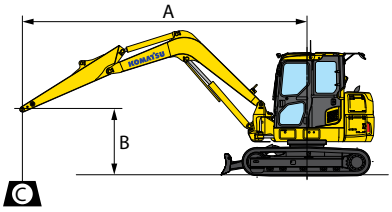
Specifications

Working range



	Arm Length	6'11" (2,100 mm)
A	Max. digging height	22'4" (6,800 mm)
B	Max. dumping height	15'8" (4,770 mm)
C	Max. digging depth	15'0" (4,565 mm)
D	Max. vertical wall digging depth	10'3" (3,115 mm)
E	Max. digging depth of cut for 8' (2,500 mm) level bottom	13'9" (4,200 mm)
F	Max. digging reach	24'1" (7,345 mm)
G	Max. digging reach at ground level	23'5" (7,135 mm)
H	Min. swing radius	9'6" (2,900 mm)
	(When boom swing)	8'4" (2545 mm)
SAE rating		
Bucket digging force		53.3 kN 11,982 lb (5,440 kg)
Arm crowd force		34.3 kN 7,710 lb (3,500 kgf)
ISO rating		
Bucket digging force		61.3 kN 13,780 lb (6,520 kg)
Arm crowd force		36.3 kN 8,160 lb (3,700 kgf)

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

Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 450 mm Road Liner Blade off ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	(1,420) 3,130	* 3,370 (1,530)	2,960 (1,340)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	(1,410) 3,120	* 3,580 (1,620)	2,430 (1,100)
9.8 ft (3m)	lb (kg)									* 3,660 (1,660)	(1,380) 3,040	* 3,610 (1,630)	2,150 (970)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,180 (2,800)	* 5,070 (2,300)	4,050 (1,830)	* 4,390 (1,990)	2,930 (1,330)	* 3,770 (1,710)	2,010 (910)
3.3 ft (1m)	lb (kg)					* 10,670 (4,840)	5,630 (2,550)	* 6,740 (3,060)	3,800 (1,720)	* 5,270 (2,390)	2,800 (1,270)	* 4,100 (1,860)	1,970 (890)
GL	lb (kg)					* 9,340 (4,230)	5,360 (2,430)	* 8,010 (3,630)	3,620 (1,640)	* 5,980 (2,710)	2,700 (1,220)	* 4,690 (2,120)	2,010 (910)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	* 12,180 (5,520)	5,300 (2,400)	* 8,590 (3,890)	3,540 (1,600)	* 6,390 (2,900)	2,640 (1,200)	* 5,270 (2,390)	2,160 (980)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,690 (4,840)	* 12,510 (5,670)	5,340 (2,420)	* 8,480 (3,840)	3,540 (1,600)	* 6,270 (2,840)	2,640 (1,200)	* 5,900 (2,680)	2,530 (1,140)

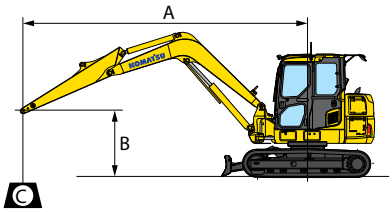
Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 450 mm Road Liner Blade off ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	(1,420) 3,130	* 3,370 (1,530)	2,960 (1,340)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	(1,410) 3,120	2,870 (1,300)	2,430 (1,100)
9.8 ft (3m)	lb (kg)									3,610 (1,640)	(1,380) 3,040	2,550 (1,150)	2,150 (970)
6.6 ft (2m)	lb (kg)					*6,870 (3,110)	6,180 (2,800)	4,880 (2,210)	4,050 (1,830)	3,500 (1,580)	2,930 (1,330)	2,390 (1,080)	2,010 (910)
3.3 ft (1m)	lb (kg)					7,070 (3,200)	5,630 (2,550)	4,620 (2,090)	3,800 (1,720)	3,360 (1,520)	2,800 (1,270)	2,340 (1,060)	1,970 (890)
GL	lb (kg)					6,678 (3,070)	5,360 (2,430)	4,430 (2,010)	3,620 (1,640)	3,250 (1,470)	2,700 (1,220)	2,400 (1,090)	2,010 (910)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	6,720 (3,040)	5,300 (2,400)	4,340 (1,970)	3,540 (1,600)	3,190 (1,450)	2,640 (1,200)	2,590 (1,170)	2,160 (980)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,690 (4,840)	6,760 (3,060)	5,340 (2,420)	4,340 (1,970)	3,540 (1,600)	3,190 (1,450)	2,640 (1,200)	3,050 (1,380)	2,530 (1,140)

*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 87% 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.

Specifications

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

Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 450 mm Rubber Belted Track Blade off ground

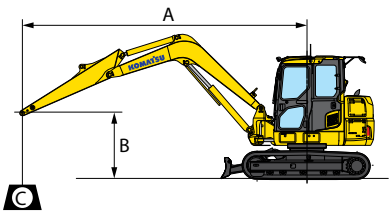
A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	3,040 (1,380)	* 3,370 (1,530)	2,880 (1,300)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	3,040 (1,370)	* 3,580 (1,620)	2,360 (1,070)
9.8 ft (3m)	lb (kg)									* 3,660 (1,660)	2,960 (1,340)	* 3,610 (1,630)	2,090 (940)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,010 (2,720)	* 5,070 (2,300)	3,940 (1,780)	* 4,390 (1,990)	2,850 (1,290)	* 3,770 (1,710)	1,950 (880)
3.3 ft (1m)	lb (kg)					* 10,670 (4,840)	5,460 (2,470)	* 6,740 (3,060)	3,690 (1,670)	* 5,270 (2,390)	2,720 (1,230)	* 4,100 (1,860)	1,900 (860)
GL	lb (kg)					* 9,340 (4,230)	5,200 (2,360)	* 8,010 (3,630)	3,510 (1,590)	* 5,980 (2,710)	2,620 (1,180)	* 4,690 (2,120)	1,940 (880)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	* 12,180 (5,520)	5,140 (2,330)	* 8,590 (3,890)	3,430 (1,550)	* 6,390 (2,900)	2,560 (1,160)	* 5,270 (2,390)	2,090 (950)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,370 (4,700)	* 12,510 (5,670)	5,180 (2,350)	* 8,480 (3,840)	3,430 (1,550)	* 6,270 (2,840)	2,560 (1,160)	* 5,900 (2,680)	2,450 (1,110)

Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 450 mm Rubber Belted Track Blade off ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	3,040 (1,380)	* 3,370 (1,530)	2,880 (1,300)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	3,040 (1,370)	2,790 (1,260)	2,360 (1,070)
9.8 ft (3m)	lb (kg)									3,510 (1,590)	2,960 (1,340)	2,480 (1,120)	2,090 (940)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,010 (2,720)	4,750 (2,150)	3,940 (1,780)	3,400 (1,540)	2,850 (1,290)	2,320 (1,050)	1,950 (880)
3.3 ft (1m)	lb (kg)					* 6,870 (3,110)	5,460 (2,470)	4,490 (2,030)	3,690 (1,670)	3,260 (1,480)	2,720 (1,230)	2,270 (1,030)	1,900 (860)
GL	lb (kg)					(2,980) 6,580	5,200 (2,360)	4,300 (1,950)	3,510 (1,590)	3,160 (1,430)	2,620 (1,180)	2,320 (1,050)	1,940 (880)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	6,510 (2,950)	5,140 (2,330)	4,210 (1,910)	3,430 (1,550)	3,090 (1,400)	2,560 (1,160)	2,510 (1,140)	2,090 (950)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,370 (4,700)	6,550 (2,970)	5,180 (2,350)	4,210 (1,910)	3,430 (1,550)	3,090 (1,400)	2,560 (1,160)	2,950 (1,340)	2,450 (1,110)

*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 87% 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.

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

Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 450 mm Triple grouser Blade on ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	3,070 (1,390)	* 3,370 (1,530)	2,910 (1,320)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	3,070 (1,390)	* 3,580 (1,620)	2,380 (1,080)
9.8 ft (3m)	lb (kg)									* 3,660 (1,660)	2,990 (1,350)	* 3,610 (1,630)	2,110 (960)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,070 (2,750)	* 5,070 (2,300)	3,980 (1,800)	* 4,390 (1,990)	2,880 (1,300)	* 3,770 (1,710)	1,970 (890)
3.3 ft (1m)	lb (kg)					* 10,670 (4,840)	5,520 (2,500)	* 6,740 (3,060)	3,730 (1,690)	* 5,270 (2,390)	2,750 (1,250)	* 4,100 (1,860)	1,930 (870)
GL	lb (kg)					* 9,340 (4,230)	5,260 (2,380)	* 8,010 (3,630)	3,550 (1,610)	* 5,980 (2,710)	2,650 (1,200)	* 4,690 (2,120)	1,970 (890)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	* 12,180 (5,520)	5,200 (2,360)	* 8,590 (3,890)	3,470 (1,570)	* 6,390 (2,900)	2,590 (1,170)	* 5,270 (2,390)	2,110 (960)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,480 (4,750)	* 12,510 (5,670)	5,240 (2,370)	* 8,480 (3,840)	3,470 (1,570)	* 6,270 (2,840)	2,590 (1,170)	* 5,900 (2,680)	2,480 (1,120)

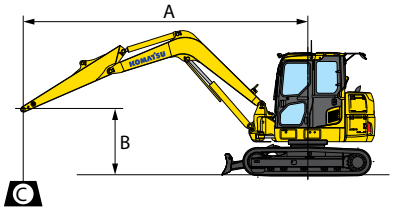
Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 450 mm Triple grouser Blade on ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	3,070 (1,390)	* 3,370 (1,530)	2,910 (1,320)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	3,070 (1,390)	2,820 (1,270)	2,380 (1,080)
9.8 ft (3m)	lb (kg)									3,550 (1,610)	2,990 (1,350)	2,500 (1,130)	2,110 (960)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,070 (2,750)	4,790 (2,170)	3,980 (1,800)	3,430 (1,550)	2,880 (1,300)	2,340 (1,060)	1,970 (890)
3.3 ft (1m)	lb (kg)					6,930 (3,140)	5,520 (2,500)	4,530 (2,050)	3,730 (1,690)	3,300 (1,490)	1250 (2750)	2,290 (1,040)	1,930 (870)
GL	lb (kg)					6,640 (3,010)	5,260 (2,380)	4,340 (1,970)	3,550 (1,610)	3,190 (1,440)	2,650 (1,200)	2,350 (1,060)	1,970 (890)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	6,580 (2,980)	5,200 (2,360)	4,250 (1,930)	3,470 (1,570)	3,130 (1,420)	2,590 (1,170)	2,540 (1,150)	2,110 (960)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,480 (4,750)	6,620 (3,000)	5,240 (2,370)	4,250 (1,930)	3,470 (1,570)	3,130 (1,420)	2,590 (1,170)	2,980 (1,350)	2,480 (1,120)

*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 87% 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.

Specifications

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

Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 600 mm Triple grouser Blade on ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	3,140 (1,420)	* 3,370 (1,530)	2,970 (1,350)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	3,130 (1,420)	*3,580 (1,620)	2,440 (1,100)
9.8 ft (3m)	lb (kg)									* 3,660 (1,660)	3,050 (1,380)	*3,610 (1,630)	2,160 (980)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,200 (2,810)	* 5,070 (2,300)	4,060 (1,840)	* 4,390 (1,990)	2,940 (1,330)	*3,770 (1,710)	2,020 (910)
3.3 ft (1m)	lb (kg)					* 10,670 (4,840)	5,650 (2,560)	* 6,740 (3,060)	3,810 (1,730)	* 5,270 (2,390)	2,820 (1,270)	*4,100 (1,860)	1,970 (890)
GL	lb (kg)					* 9,340 (4,230)	5,390 (2,440)	* 8,010 (3,630)	3,640 (1,650)	* 5,980 (2,710)	2,710 (1,230)	*4,690 (2,120)	2,010 (910)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	* 12,180 (5,520)	5,330 (2,410)	* 8,590 (3,890)	3,560 (1,610)	* 6,390 (2,900)	2,650 (1,200)	*5,270 (2,390)	2,170 (980)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,730 (4,860)	* 12,510 (5,670)	5,360 (2,430)	* 8,480 (3,840)	3,550 (1,610)	* 6,270 (2,840)	2,650 (1,200)	*5,900 (2,680)	2,540 (1,150)

Arm: 6'11" (2,100mm) Bucketless (without cylinder and links) Shoe width: 600 mm Triple grouser Blade off ground

A / B		4'11" (1.5 m)		6'7" (2.0 m)		10'0" (3.0 m)		13'1" (4.0 m)		16'5" (5.0 m)		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
16.4 ft (5m)	lb (kg)									* 3,230 (1,460)	3,140 (1,420)	* 3,370 (1,530)	2,970 (1,350)
13.1 ft (4m)	lb (kg)									* 3,190 (1,450)	3,130 (1,420)	2,880 (1,300)	2,440 (1,100)
9.8 ft (3m)	lb (kg)									3,630 (1,640)	3,050 (1,380)	2,560 (1,160)	2,160 (980)
6.6 ft (2m)	lb (kg)					* 6,870 (3,110)	6,200 (2,810)	4,900 (2,220)	4,060 (1,840)	3,510 (1,590)	2,940 (1,330)	2,400 (1,090)	2,020 (910)
3.3 ft (1m)	lb (kg)					7,100 (3,220)	5,650 (2,560)	4,640 (2,100)	3,810 (1,730)	3,380 (1,530)	2,820 (1,270)	2,350 (1,060)	1,970 (890)
GL	lb (kg)					6,810 (3,090)	5,390 (2,440)	4,450 (2,020)	3,640 (1,650)	3,270 (1,480)	2,710 (1,230)	2,410 (1,090)	2,010 (910)
-3.3 ft (-1m)	lb (kg)	* 6,290 (2,850)	* 6,290 (2,850)	* 6,880 (3,120)	* 6,880 (3,120)	6,740 (3,060)	5,330 (2,410)	4,360 (1,980)	3,560 (1,610)	3,210 (1,450)	2,650 (1,200)	2,600 (1,180)	2,170 (980)
-6.6 ft (-2m)	lb (kg)	* 9,700 (4,400)	* 9,700 (4,400)	* 10,950 (4,960)	10,730 (4,860)	6,790 (3,080)	5,360 (2,430)	4,360 (1,970)	3,550 (1,610)	3,210 (1,450)	2,650 (1,200)	3,060 (1,380)	2,540 (1,150)

*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 87% 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 and optional equipment

Engine and related components	standard ● optional ○
Engine, Komatsu SAA3D95E-1	●
Auto deceleration	●
Air cleaner, double element with auto dust evacuator	●
B20 biodiesel compatible*	●
Cooling system viscous fan clutch, suction type	●
Cooling system with expansion tank	●
Engine oil-pan drain valve	●
Fixed turbocharger	●
Komatsu Diesel Oxidation Catalyst (KDOC)	●

Electrical system	
Alternator, 24 V/60 A	●
Batteries, 2 x 12 V/55 Ah	●
Battery disconnect switch	●
Lock out/tag out provisioned	●
Starting motor 24 V/4.5 kW	●

Guards and covers	
Fan guard	●
Pump/engine partition cover	●
Diesel ground level fuel fill and hydraulic tank fill cap under lockable side covers	●
Bolt-on top guard (OPG level 2)	○
Cab front guard (full height front window mesh guard level 1)	○

Operator environment	
2-V x 2 power supply	●
Attachment flow switching through monitor	●
Auto climate control	●
Auto idle shutdown	●
Cab includes: antenna, multifunction audio with USB and Bluetooth wireless technology, floormat, intermittent front windshield wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield	●
Handrails	●
Komtrax 5.0 (cellular 4G system)	●
LED working light on boom	●
LED working light on cab	●
Lock lever auto lock function	●
Monitor panel	●
Operator identification system	●
Rearview mirrors (LH, rear)	●
Rearview monitoring system	●
ROPS cab (ISO 12117-2)	●
Seat belt, 3.1" (78 mm)	●
Suspension seat	●
Swing holding brake	●
Travel alarm	●
Travel switch on blade control lever (high/low)	●

Hydraulic system	standard ● optional ○
Dual stage relief valve	●
Proportional pilot-controlled joystick	●
Hydraulic control unit (one additional actuator)	●
One-way/two-way auxiliary hydraulic flow	●
Operation pattern change-over valve (two-way, ISO/BH)	●
One-variable piston pump and one gear pump	●
Auxiliary circuit return filter and accumulator	●
Automatic swing brake	●
Automatic load sensing two speed travel	●

Work equipment	
Blade, welded cutting edge type 7'7" (2,330 mm)	●
Counterweight, 1,775 lbs. (805 kg)	●
Boom, swing-type 11'2" (3,405 mm)	○
Arm, 6'11" (2,100 mm) arm assembly with provision for hydraulic thumb	○
Blade, 8' 1" (2,400 mm) wide blade, requires 24" (600 mm) shoes	○

Undercarriage	
Triple grouser shoe, 18" (450 mm)	●
Shoes	
Road Liner shoes, 18" (450 mm)	○
Triple grouser shoes, 24" (600 mm)	○
Rubber belt track, 18" (450 mm)	○

Attachment options	
Buckets	○
Couplers	○
Thumbs	○
Breakers	○

For a complete list of available attachments, please contact your local Komatsu distributor.

*Up to 20% blended biodiesel fuel and paraffin fuel can be used. Please consult your Komatsu distributor for details.

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