

KOMATSU®

PC170LC-10

Tier 4 Interim Engine

PC170LC

NET HORSEPOWER

115 HP @ 2100 rpm

86 kW @ 2100 rpm

OPERATING WEIGHT

38,100–41,600 lb

17280–18860 kg

BUCKET CAPACITY

0.48–1.24 yd³

0.37–0.95 m³



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

PC170LC

WALK-AROUND

PC170LC-10



Photos may include optional equipment

PC170LC-10

Tier 4 Interim Engine

NET HORSEPOWER
115 HP @ 2100 rpm
85 kW @ 2100 rpm

OPERATING WEIGHT
38,100–41,600 lb
17280–18860 kg

BUCKET CAPACITY
0.48–1.24 yd³
0.37–0.95 m³



POWER, CONTROL AND MORE LIFT CAPACITY

Two counterweight options provide improved lifting performance as well as versatility to meet transportation requirements.

New engine and hydraulic pump control technology improves operational efficiency and lowers fuel consumption by up to 10%.

A powerful Komatsu SAA4D107E-2 engine provides a net output of 86 kW **115 HP**. This engine is EPA Tier 4 Interim emissions certified.

Komatsu Diesel Oxidation Catalyst (KDOC) reduces particulate matter using 100% passive regeneration. No DPF is required.

Komatsu Variable Flow Turbocharger provides optimum air flow under all speed and load conditions.

Komatsu's Closed-center Load Sensing System (CLSS) provides quick response and smooth operation to maximize productivity.

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

Large LCD color monitor panel:

- 7" high resolution screen
- Provides "Ecology Guidance" for fuel efficient operation
- Enhanced attachment control
- Aux jack and (2) 12V outlets

Rearview monitoring system (standard)

Equipment Management Monitoring System (EMMS) continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Enhanced working environment

- High back, heated, and air suspension operator seat
- Integrated ROPS cab design (ISO 12117-2)
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard (ISO 10262)

The standard counterweight

increases lifting performance up to 5%, while an optional heavier counterweight provides up to 15% more lift capacity when compared to the previous series.



Wide access service doors

provide easy access for ground level maintenance.

Guardrails (standard) provide convenient access to the upper structure.

Battery disconnect switch

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

Komatsu designed and manufactured components

Swing out cooler design provides easy access to service and clean the cooler assembly.

KOMTRAX®

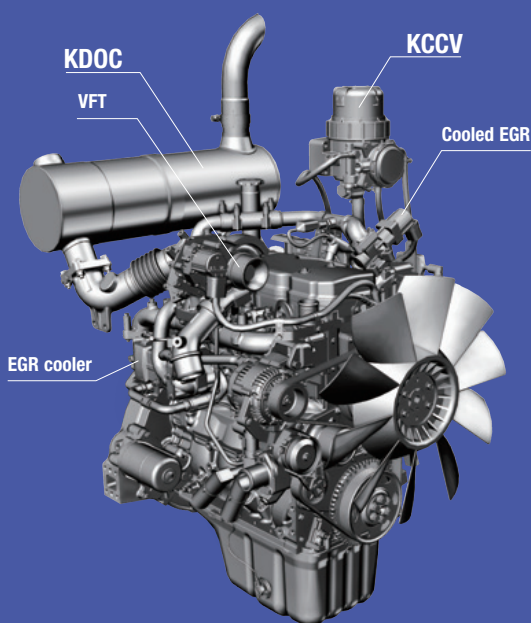
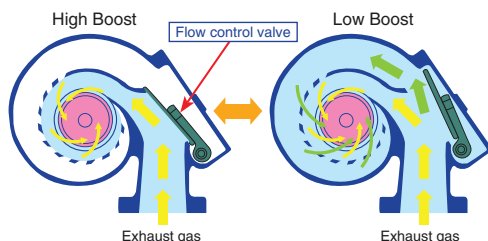
Komtrax equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.

Environment-Friendly Engine

The Komatsu SAA4D107E-2 engine is EPA Tier 4 Interim emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces exhaust gas particulate matter (PM) by more than 90% and nitrogen oxide (NOx) by more than 20% when compared to Tier 3 levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.

Newly designed Variable Flow Turbocharger (VFT)

A newly designed variable flow turbocharger features simple and reliable technology that varies the intake airflow. This provides optimum air flow under all speed and load conditions producing cleaner exhaust gas without sacrificing power and performance.

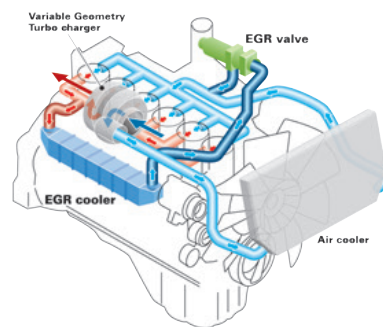


Advanced Electronic Control System

The engine control system has been upgraded to effectively manage a variety of parameters such as the air flow rate, EGR gas flow rate, fuel injection parameters, and aftertreatment functions. The new control system also provides enhanced diagnostic capabilities.

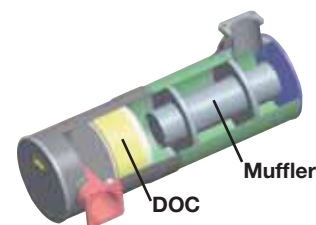
Cooled Exhaust Gas Recirculation (EGR)

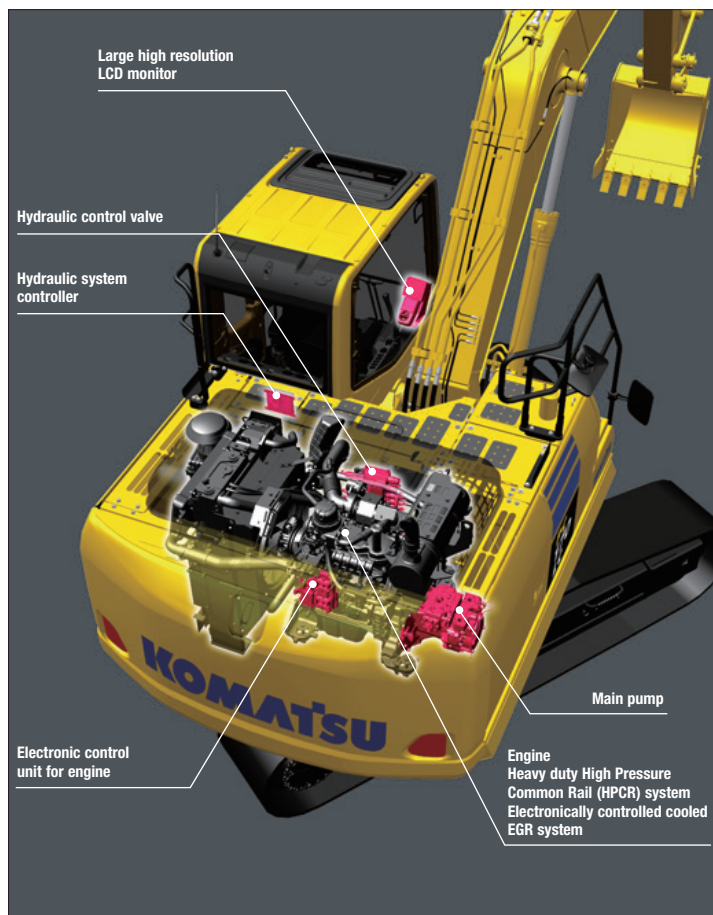
Cooled EGR, a technology that has been well proven in Komatsu Tier 3 and Tier 4 Interim engines, reduces NOx emission to meet Tier 4 Interim levels. The EGR system has increased capacity and uses larger and more robust components to ensure reliability for demanding work conditions.



Komatsu Diesel Oxidation Catalyst (KDOC)

The new 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 is a simple design and does not have a scheduled service interval like a DPF and is designed for long life with no scheduled maintenance required. For owners, this means lower owning and operating costs due to less complexity and truly seamless operation for the operator.





Efficient Hydraulic System

The PC170LC-10 uses a Closed-center Load Sensing System (CLSS) that improves fuel efficiency and provides quick response to the operator's demands.

The PC170LC-10 also introduces new technology to enhance the engine and hydraulic pump control. This total control system matches the engine and hydraulics at the most efficient point under any load condition. There have also been improvements in the main valve and hydraulic circuit to reduce hydraulic loss, resulting in higher efficiency and lower fuel consumption.

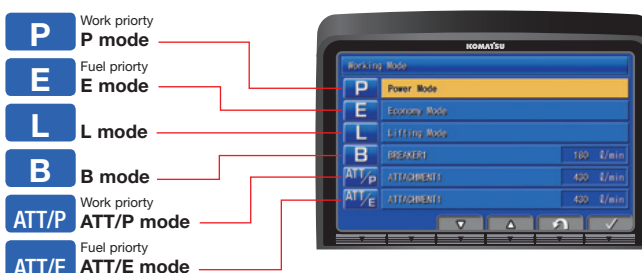
Reduced Up To 10% Fuel consumption

vs PC170LC-8
Based on typical work pattern collected via KOMTRAX

Working Mode Selection

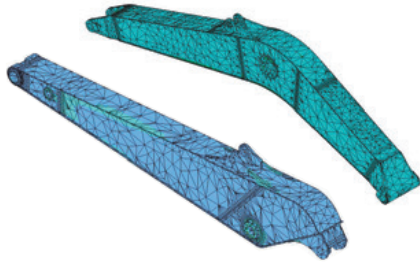
The PC170LC-10 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC170LC-10 features a new mode (ATT/E) which allows operators to run attachments while in Economy mode.

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"> •Increases hydraulic pressure
B	Breaker mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow, 2-way •Power mode
ATT/E	Attachment Economy mode	<ul style="list-style-type: none"> •Optimum engine rpm, hydraulic flow, 2-way •Economy mode



High Rigidity Work Equipment

Booms and arms are constructed with thick plates of high tensile strength steel. In addition, these structures are designed with large cross-sectional areas and large one piece castings in the boom foot and the boom tip. The result is work equipment that exhibits long term durability and high resistance to bending and torsional stress.



Komatsu Designed Components

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

O-Ring Face Seals

Flat face-to-face O-ring seals are used to securely seal hydraulic hose connections.



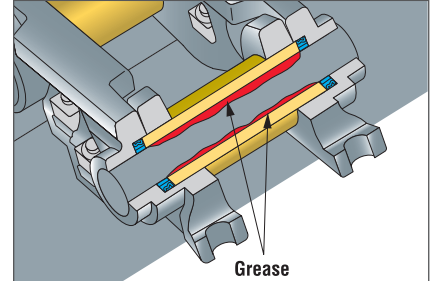
Durable Frame Structure

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



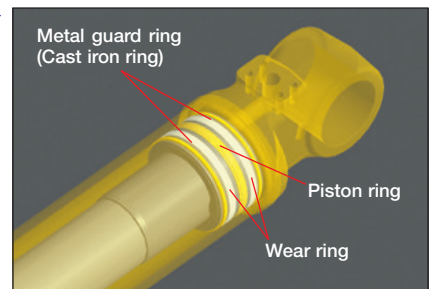
Grease Sealed Track

The PC170LC-10 uses grease sealed tracks for extended undercarriage life.



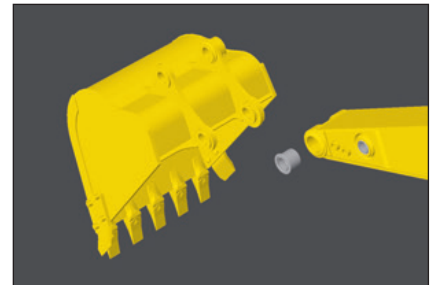
Metal Guard Rings

The PC170LC-10 uses metal guard rings to protect all of the hydraulic cylinders and improve long term reliability.



Durable Arm Tip Bushing

The end face of the arm tip bushing provides high resistance to seizure and wear.



WORKING ENVIRONMENT



Newly Designed Wide Spacious Cab

The newly designed wide spacious cab features a high back, fully adjustable seat with a reclining backrest. The console and seat have an integrated design so that they move together and provide additional comfort for the operator.

The new higher capacity operator seat has been enhanced to provide more comfort.

- Heated Seat
- Console Mounted Arm Rests

Auxiliary Input (MP3 Jack)

By connecting an auxiliary device such as an MP3 player to the auxiliary input, the operator can hear the sound through the speakers installed in the cab.



Pressurized Cab

The air conditioner, air filter, and a higher internal cab air pressure minimize the amount of external dust that enters the cab.

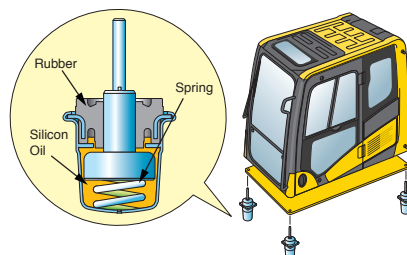
Automatic Air Conditioner

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



Low Vibration with Viscous Cab Mounts

The PC170LC-10 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator's seat.





Large High Resolution LCD Monitor Panel

A new large, user-friendly, high resolution LCD color monitor enables accurate and smooth work. Screen visibility and resolution are further improved compared to the previous LCD monitor panel. The switches and function keys are easy to operate and provide simple navigation through the monitor screens.

Data is displayed in 25 languages to support operators around the world.

Indicators

- | | |
|----------------------------------|-----------------------------------|
| 1 Auto-decelerator | 5 Hydraulic oil temperature gauge |
| 2 Working mode | 6 Fuel gauge |
| 3 Travel speed | 7 Ecology gauge |
| 4 Engine water temperature gauge | 8 Fuel consumption gauge |
| | 9 Function switches menu |

Basic operation switches

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

Operational Information

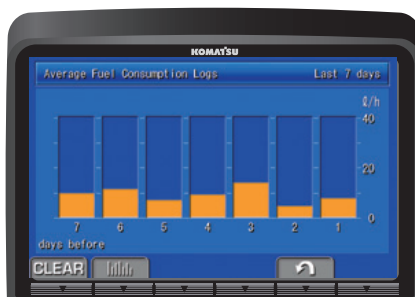
The monitor panel provides operational advice to the operator to help improve machine efficiency and lower fuel consumption. The operator can access the ecology guidance menu to check the Operation Records, Ecology Guidance Records, and Average Fuel Consumption records.



Ecology Guidance



Operation Records



Average Fuel Consumption Logs



Attachment Setting Screen



Attachment Settings

Improved Attachment Control

The PC170LC-10 is capable of storing up to ten different attachments in the new monitor panel. The name of each attachment can be changed for better tool management. Hydraulic flow rates can be easily adjusted for one-way and two-way flow attachments.

MAINTENANCE FEATURES

Easy Access Coolers

The radiator and oil cooler are side-by-side modules which simplifies cleaning, removing, and installing. The swing out cooler design provides easier access to the cooling cores.



Battery Disconnect Switch

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



Slip Resistant Plates

Durable slip resistant plates maintain excellent foot traction.



Long Life Oils, Filters

High performance filters are used in the hydraulic circuit and engine. By increasing the oil and filter replacement intervals, maintenance costs can be significantly reduced.



Hydraulic oil filter
(Ecology-white element)

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

Extended Work Equipment Greasing Intervals

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

High Efficiency Fuel Filters

Komatsu's pre-filter and water separator comes with a built in priming pump. A new high efficiency dual element fuel filter provides twice the filtration capacity.



Guardrails

Guardrails have been added on the upper structure of the machine. This provides additional convenience during engine service and daily checks.



Equipment Management Monitoring System (EMMS)

The PC170LC-10 features an advanced diagnostic system that continuously monitors the machine's vital systems. EMMS tracks maintenance items, provides advanced troubleshooting tools, reduces diagnostic times, and displays error codes.

Through continuous monitoring, the EMMS helps identify issues before they become worse and allows the operator to concentrate on the work at hand.

Maintenance Tracking

When the machine approaches or exceeds the oil and filter replacement interval, the monitor panel will display lights to inform the operator.

Maintenance	Interval	Remain
Air Cleaner Cleaning / Change	—	—
Engine Oil Change	500 h	488 h
Engine Oil Filter Change	500 h	488 h
Fuel Main Filter Change	1000 h	988 h
Fuel Pre Filter Change	500 h	488 h

Rear View Monitoring System

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



ROPS Cab Design

The PC170LC-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.



Abnormalities Display with Code

When an abnormality occurs an error code is displayed on the monitor. When an important code is displayed, a caution lamp blinks and warning buzzer sounds to alert the operator to take action. The monitor also stores a record of abnormalities for more effective troubleshooting.



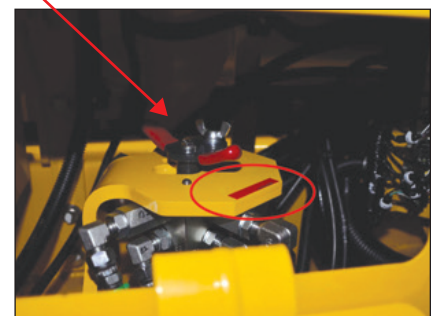
Advanced Monitoring System

The monitor provides advanced monitoring diagnostics to assist with troubleshooting and reduce costly downtime.

Monitoring / Pre-defined(01/14)	
01002 Engine Speed	0 r/min
04107 Coolant Temperature	0 °C
37212 Engine Oil Switch	ON
18400 Intake Temperature	0.0 °C
04401 Hydr. Oil Temperature	0.0 °C
03203 Battery Power Supply	0.0 V

Easily Accessible Pattern Change Valve Standard

A standard pattern change valve is conveniently located at the front of the machine, making switching from excavator controls to backhoe controls quick and easy.



KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH
KOMTRAX®

✓ WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **aids in making repair or replacement decisions**

✓ WHEN

- Know when your machines are **running or idling** and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance was done** and help you plan for future maintenance needs

✓ WHERE

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

✓ WHY

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

✓ WHO

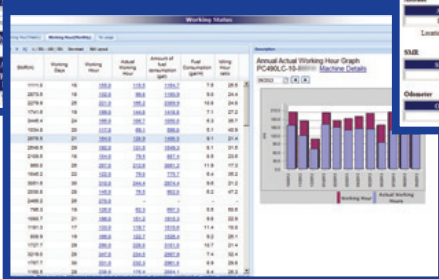
- KOMTRAX is **standard** equipment on all Komatsu construction products



Monthly Operational Analysis



Fleet Working Status



Location/Hours/Working



KOMTRAX®

For construction and compact equipment.

KOMTRAX Plus™

For production and mining class machines.

Komatsu CARE – Complimentary Scheduled Maintenance

- PM services for the earlier of 3 years / 2000 hours
- Performed by factory certified technicians
- Komatsu Genuine parts and fluids
- Significantly lowers your cost of ownership while maintaining high uptime and reliability
- Increases resale value and provides detailed maintenance records
- Extended PM services can be purchased beyond the complimentary period to provide additional peace of mind and maximize uptime



Komatsu CARE – Extended Coverage

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



Komatsu Parts Support

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



Komatsu Oil and Wear Analysis (KOWA)

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

ENGINE

*EPA Tier 4 Interim emissions certified

HYDRAULICS

Boom .. 2-110 mm x 1175 mm x 75 mm **4.3" x 46.3" x 3.0"**
 Arm1-120 mm x 1342 mm x 85 mm **4.7" x 52.8" x 3.3"**
 Bucket..1-105 mm x 1027 mm x 70 mm **4.1" x 40.4" x 2.8"**

DRIVES AND BRAKES

Steering control.....	Two levers with pedals
Drive method	Fully hydrostatic
Maximum drawbar pull	156 kN 15950 kg 35,164 lb
Maximum travel speed: High.....	5.5 km/h 3.4 mph
Low	3.0 km/h 1.9 mph
Service brake.....	Hydraulic lock
Parking brake.....	Mechanical disc



Drive method	Hydraulic motor
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Swing lock	Mechanical disc brake
Swing speed	12.0 rpm
Swing torque	4331 kg•m 31,314 ft lbs



Center frame	X-frame leg
Track frame	Box-section
Track type	Sealed
Track adjuster	Hydraulic
Number of shoes (each side)	44
Number of carrier rollers (each side)	2
Number of track rollers (each side)	7



Fuel tank	300 ltr	79.25 U.S. gal
Radiator	23.5 ltr	4.9 U.S. gal
Engine.....	18 ltr	4.8 U.S. gal
Final drive, each side.....	5.4 ltr	1.43 U.S. gal
Swing drive	4.5 ltr	1.2 U.S. gal
Hydraulic tank.....	121 ltr	32.0 U.S. gal



Operating weight includes 5150 mm **16'11"** one-piece boom, 2610 mm **8'7"** arm, SAE heaped 0.65 m³ **0.85 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
600 mm	17500 kg	41.2 kPa / 0.42 kg/cm ²
24"	38,600 lb	5.98 psi
700 mm	17739 kg	36.2 kPa / 0.37 kg/cm ²
28"	39,104 lb	5.06 psi



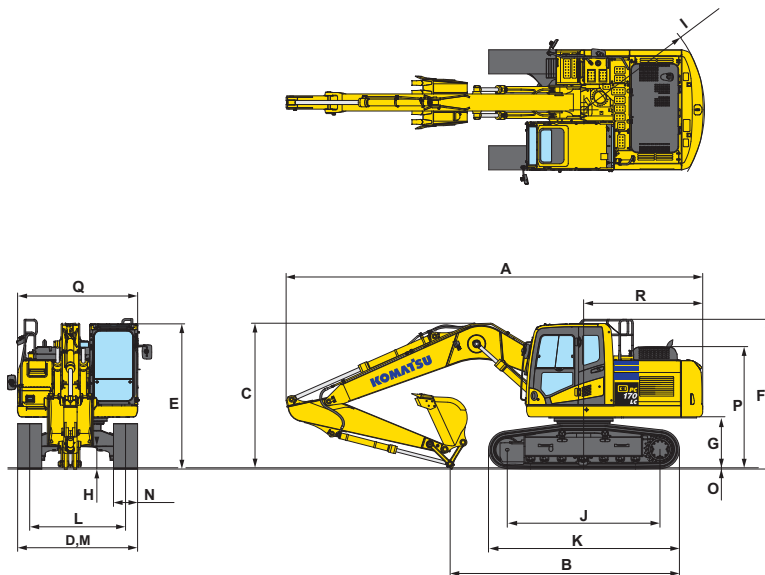
	Arm Length	2610 mm 8'7"	2900 mm 9'6"
ISO rating	Bucket digging force	123 kN 12500 kgf / 27,560 lb	123 kN 12500 kgf / 27,560 lb
	Arm crowd force	86.3 kN 8800 kgf / 19,400 lb	79.4 kN 8100 kgf / 17,860 lb
SAE rating	Bucket digging force	109 kN 11100 kgf / 24,470 lb	109 kN 11100 kgf / 24,470 lb
	Arm crowd force	83.4 kN 8500 kgf / 18,740 lb	77.5 kN 7900 kgf / 17,420 lb



DIMENSIONS

	Arm Length	2620 mm	8'7"	2900 mm	9'6"
A	Overall length	8645 mm	28'4"	8645 mm	28'4"
B	Length on ground (transport)	5130 mm	16'10"	4565 mm	15'0"
C	Overall height (to top of boom)*	3030 mm	9'11"	3140 mm	10'4"
D	Overall width	2590 mm	8'6"		
E	Overall height (to top of cab)*	3035 mm	9'11"		
F	Overall height (to top of handrail)	3110 mm	10'2"		
G	Ground clearance, counterweight	1055 mm	3'6"		
H	Ground clearance, minimum	440 mm	1'5"		
I	Tail swing radius	2500 mm	8'2"		
J	Track length on ground	3170 mm	10'5"		
K	Track length	3965 mm	13'0"		
L	Track gauge	1990 mm	6'6"		
M	Width of crawler	2590 mm	8'6"		
N	Shoe width	600 mm	24"		
O	Grouser height	26 mm	0'1"		
P	Machine height to top of engine cover	2515 mm	8'3"		
Q	Machine cab width	2495 mm	8'2"		
R	Distance, swing center to rear end	2470 mm	8'1"		

* : Including grouser height



BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Type	Bucket						Arms	
	Capacity		Width		Weight		2.6 m (8'7")	2.9 m (9'6")
Komatsu TL	0.47 m ³	0.61 yd ³	610 mm	24"	506 kg	1,116 lb	V	V
	0.62 m ³	0.81 yd ³	762 mm	30"	568 kg	1,252 lb	V	V
	0.78 m ³	1.02 yd ³	914 mm	36"	660 kg	1,454 lb	W	X
	0.95 m ³	1.24 yd ³	1067 mm	42"	705 kg	1,554 lb	X	Y
Komatsu HP	0.37 m ³	0.48 yd ³	508 mm	20"	511 kg	1,126 lb	V	V
	0.47 m ³	0.61 yd ³	610 mm	24"	572 kg	1,260 lb	V	V
	0.62 m ³	0.81 yd ³	762 mm	30"	649 kg	1,431 lb	V	V
	0.78 m ³	1.02 yd ³	914 mm	36"	735 kg	1,620 lb	W	X
	0.95 m ³	1.24 yd ³	1067 mm	42"	806 kg	1,776 lb	Y	Y
Komatsu HPS	0.37 m ³	0.48 yd ³	508 mm	20"	563 kg	1,241 lb	V	V
	0.47 m ³	0.61 yd ³	610 mm	24"	635 kg	1,400 lb	V	V
	0.62 m ³	0.81 yd ³	762 mm	30"	729 kg	1,607 lb	V	W
	0.78 m ³	1.02 yd ³	914 mm	36"	831 kg	1,833 lb	X	X
	0.95 m ³	1.24 yd ³	1067 mm	42"	919 kg	2,027 lb	Y	Z

V - Used with material weights up to 3,500 lb/yd³X - Used with material weights up to 2,500 lb/yd³

Z - Not useable

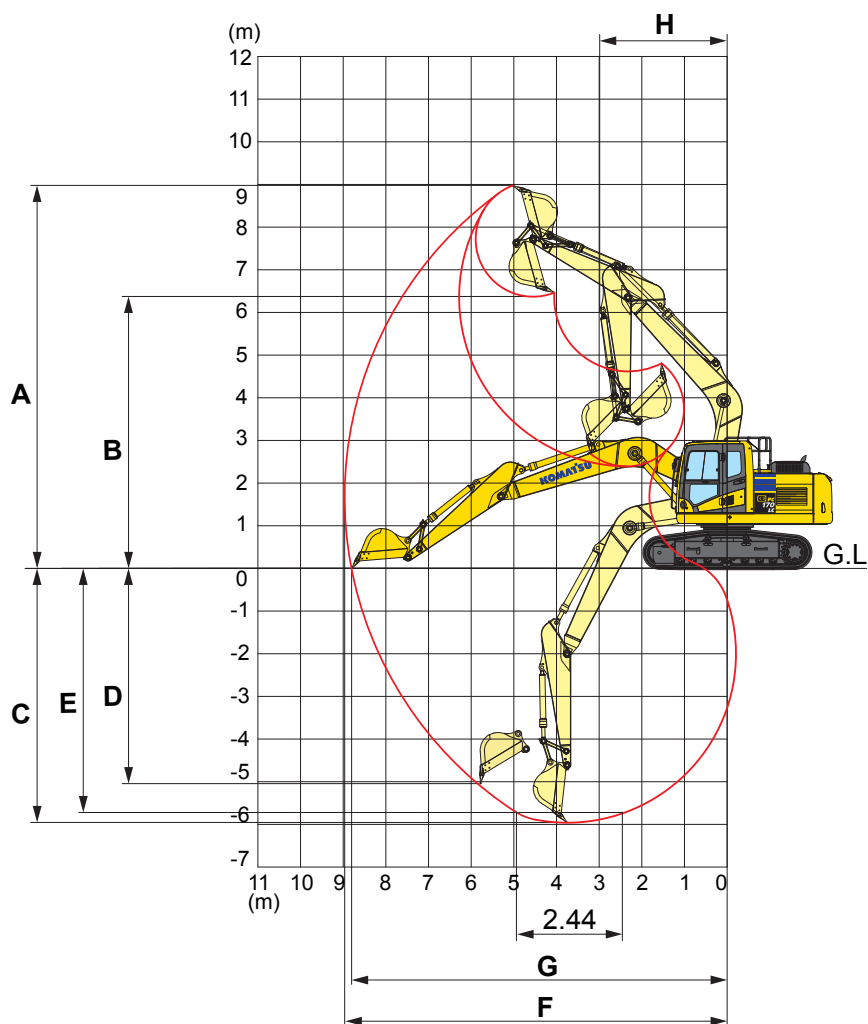
W - Used with material weights up to 3,000 lb/yd³Y - Used with material weights up to 2,000 lb/yd³

COMMENTS: When using any quick coupler or other attachment equipment, there is an increased risk of the bucket hitting the cab.

*See the Operation & Maintenance Manual for detailed bucket installation instructions.



WORKING RANGE

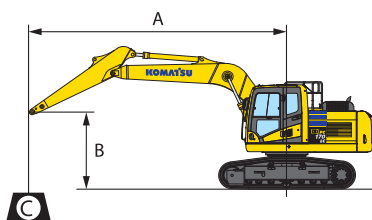


Arm Length		2610 mm	8'7"	2900 mm	9'6"
A	Max. digging height	8980 mm	29'6"	9130 mm	29'11"
B	Max. dumping height	6370 mm	20'11"	6525 mm	21'5"
C	Max. digging depth	5960 mm	19'7"	6250 mm	20'6"
D	Max. vertical wall digging depth	5040 mm	16'6"	5320 mm	17'5"
E	Max. digging depth of cut for 8° level bottom	5740 mm	18'10"	6050 mm	19'10"
F	Max. digging reach	8960 mm	29'5"	9235 mm	30'4"
G	Max. digging reach at ground level	8800 mm	28'10"	9075 mm	29'9"
H	Min. swing radius	2990 mm	9'10"	2995 mm	9'10"
SAE rating	Bucket digging force at power max.	109 kN		109 kN	
		11100 kg / 24,504 lb		11100 kg / 24,504 lb	
	Arm crowd force at power max.	83.4 kN		77.5 kN	
		8500 kgf / 18,749 lb		7900 kgf / 17,422 lb	
ISO rating	Bucket digging force at power max.	123 kN		123 kN	
		12500 kg / 27,651 lb		12500 kg / 27,651 lb	
	Arm crowd force at power max.	86.3 kN		79.4 kN	
		8800 kgf / 19,401 lb		8100 kgf / 17,849 lb	

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE



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

Conditions :

- 5150 mm 16' 11" one-piece boom
- Counterweight (Standard): 2990 kg 6,592 lb
- Bucket: None

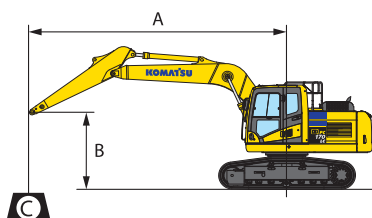
Arm: 2610 mm 8'7"

Shoes: 600 mm 24"

Unit: kg lb

A \ B	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		☉ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 3400	* 3400
											* 7500	* 7500
6.1 m 20'							* 3350	* 3350			* 3000	* 3000
							* 7400	* 7400			* 6600	* 6600
4.6 m 15'					* 5500	5250	* 5000	3450			* 2900	2750
					* 12100	11600	* 11000	7600			* 6400	6000
3.0 m 10'		* 10050	9000		* 6750	4950	5150	3300			* 2950	2450
		* 22200	19800		* 14900	11000	11300	7300			* 6500	5400
1.5 m 5'					7650	4650	4950	3150			* 3150	2350
					16800	10300	11000	7000			* 7000	5200
0 m 0'		* 7100	* 7100		7400	4450	4850	3050			* 3600	2350
		* 15700	* 15700		16300	9800	10700	6800			* 7900	5200
-1.5 m -5'	* 6500	* 6500	* 11250	7950	7300	4400	4800	3000			4050	2600
	* 14300	* 14300	* 24800	17500	16100	9700	10600	6700			9000	5700
-3.0 m -10'	* 10950	* 10950	* 10800	8050	7350	4450					5050	3200
	* 24200	* 24200	* 23900	17800	16300	9800					11200	7000
-4.6 m -15'												

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



- 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 :

- 5150 mm 16' 11" one-piece boom
- Counterweight (Standard): 2990 kg 6,592 lb
- Bucket: None

Arm: 2610 mm 8'7"

Shoes: 700 mm 28"

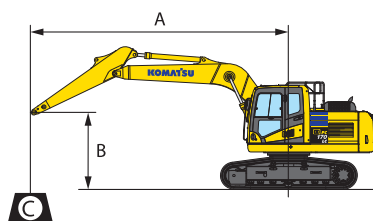
Unit: kg lb

A \ B	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		☉ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 3400	* 3400
											* 7500	* 7500
6.1 m 20'							* 3350	* 3350			* 3000	* 3000
							* 7400	* 7400			* 6600	* 6600
4.6 m 15'					* 5500	5350	* 5000	3450			* 2900	6100
					* 12100	11800	* 11000	7700			* 6400	2750
3.0 m 10'		* 10050	9100		* 6750	5050	5200	3350			* 2950	2500
		22200	20000		* 14900	11100	11500	7400			* 6500	5500
1.5 m 5'					17000	4700	5050	3200			* 3150	2350
					7750	10400	11100	7100			* 7000	5200
0 m 0'		* 7100	* 7100		16500	4500	10800	3100			* 3600	2400
		* 15700	* 15700		7500	10000	4900	6800			* 7900	5300
-1.5 m -5'	* 6500	* 6500	* 11250	8000	7400	4450	4850	3050			4150	2650
	* 14300	* 14300	* 24800	17700	16400	9800	10700	6800			9100	5800
-3.0 m -10'	* 10950	* 10950	* 10800	8150	7450	4500					5100	3200
	* 24200	* 24200	* 23900	18000	16500	9900					11300	7100
-4.6 m -15'												

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



LIFTING CAPACITY WITH LIFTING MODE



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

Conditions :

- 5150 mm 16' 11" one-piece boom
- Counterweight (Standard): 2990 kg 6,592 lb
- Bucket: None

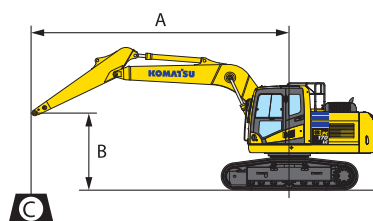
Arm: 2900 mm 9'6"

Shoes: 600 mm 24"

Unit: kg lb

A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
B	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 2950	* 2950
											* 6600	* 6600
6.1 m 20'							* 3800	3500			* 2650	* 2650
							* 8400	7700			* 5900	* 5900
4.6 m 15'							* 4750	3450			* 2550	2550
							* 10500	7600			* 5700	5700
3.0 m 10'			* 9200	9150	* 6400	5000	5100	3300	* 3300	2350	* 2600	2300
			* 20300	20100	* 14100	11000	11300	7300	* 7300	5200	* 5800	5100
1.5 m 5'			* 7500	* 7500	7600	4650	4950	3150	3600	2300	* 2800	2200
			* 16600	* 16600	16800	10200	10900	6900	7900	5100	* 6200	4800
0 m 0'			* 7450	* 7450	7350	4400	4800	3000	3550	2250	* 3100	2200
			* 16500	* 16500	16200	9700	10600	6700	7800	5000	* 6900	4900
-1.5 m -5'	* 6100	* 6100	* 10750	7800	7250	4300	4750	2950			* 3750	2400
	* 13400	* 13400	* 23700	17200	16000	9500	10500	6500			* 8300	5300
-3.0 m -10'	* 9950	* 9950	* 11250	7900	7300	4350	4800	3000			4600	2900
	* 21900	* 21900	* 24900	17400	16100	9600	10600	6600			10200	6400
-4.6 m -15'			* 8050	* 8050	* 5450	4550					* 5200	9600
			* 17800	* 17800	* 12000	10000					* 11400	4350

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



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 :

- 5150 mm 16' 11" one-piece boom
- Counterweight (Standard): 2990 kg 6,592 lb
- Bucket: None

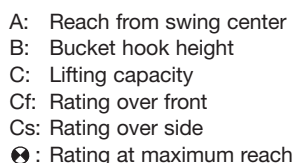
Arm: 2900 mm 9'6"

Shoes: 700 mm 28"

Unit: kg lb

A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
B	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 2950	* 2950
											* 6600	* 6600
6.1 m 20'							* 3800	3500			* 2650	* 2650
							* 8400	7800			* 5900	* 5900
4.6 m 15'							* 4750	3450			* 2550	* 2550
							* 10500	7700			* 5700	5700
3.0 m 10'			* 9200	* 9200	* 6400	5050	5200	3350	* 3300	2400	* 2600	2300
			* 20300	* 20300	* 14100	11100	11400	7400	* 7300	5300	* 5800	5100
1.5 m 5'			* 7500	* 7500	7700	4700	5000	3200	3650	2350	* 2800	2200
			* 16600	* 16600	17000	10400	11100	7000	8000	5100	* 6200	4900
0 m 0'			* 7450	* 7450	7450	4450	4900	3050	3550	2300	* 3100	2250
			* 16500	* 16500	16400	9900	10800	6800	7900	5000	* 6900	5000
-1.5 m -5'	* 6100	* 6100	* 10750	7900	7350	4400	4800	3000			* 3750	2450
	* 13400	* 13400	* 23700	17400	16200	9700	10600	6600			* 8300	5400
-3.0 m -10'	* 9950	* 9950	* 11250	8000	7400	4400	4850	3050			4650	2950
	* 21900	* 21900	* 24900	17700	16300	9700	10700	6700			10300	6500
-4.6 m -15'			* 8050	* 8050	* 5450	4600					* 5200	4450
			* 17800	* 17800	* 12000	10100					* 11400	9800

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



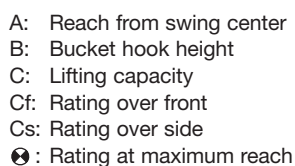
Conditions:

- 5150 mm **16' 11"** one-piece boom
- Counterweight (Heavy):
3480 kg **7,672 lb**
- Bucket: None

Unit: kg lb

[illegible]

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



Conditions:

- 5150 mm **16' 11"** one-piece boom
- Counterweight (Heavy):
3480 kg **7,672 lb**
- Bucket: None

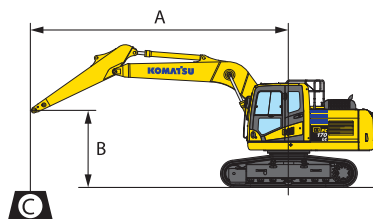
Unit: kg lb

[illegible]

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



LIFTING CAPACITY WITH LIFTING MODE



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

Conditions:

- 5150 mm 16' 11" one-piece boom
- Counterweight (Heavy): 3480 kg 7,672 lb
- Bucket: None

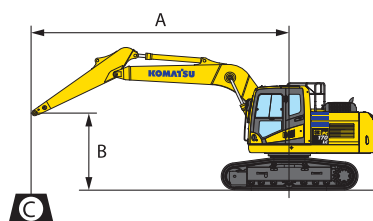
Arm: 2900 mm 9'6"

Shoes: 600 mm 24"

Unit: kg lb

A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
B	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 2950	* 2950
											* 6600	* 6600
6.1 m 20'							* 3800	3700			* 2650	* 2650
							* 8400	8200			* 5900	* 5900
4.6 m 15'							* 4750	3650			* 2550	* 2550
							* 10500	8100			* 5700	* 5700
3.0 m 10'			* 9200	* 9200	* 6400	5350	* 5300	3550	* 3300	2550	* 2600	2500
			* 20300	* 20300	* 14100	11800	* 11700	7800	* 7300	5600	* 5800	5500
1.5 m 5'			* 7500	* 7500	* 7750	5000	5250	3400	3800	2500	* 2800	2350
			* 16600	* 16600	* 17100	11000	11600	7500	8400	5500	* 6200	5200
0 m 0'			* 7450	* 7450	7800	4750	5100	3250	* 3700	2450	* 3100	2400
			* 16500	* 16500	17300	10500	11300	7200	* 8200	5400	* 6900	5300
-1.5 m -5'	* 6100	* 6100	* 10750	8400	7700	4650	5050	3200			* 3750	2600
	* 13400	* 13400	* 23700	18600	17000	10300	11200	7100			* 8300	5800
-3.0 m -10'	* 9950	* 9950	* 11250	8550	7750	4700	5100	3250			4900	3150
	* 21900	* 21900	* 24900	18800	17100	10400	11200	7100			10800	6900
-4.6 m -15'			* 8050	* 8050	* 5450	4900					* 5200	4700
			* 17800	* 17800	* 12000	10800					* 11400	10400

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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:

- 5150 mm 16' 11" one-piece boom
- Counterweight (Heavy): 3480 kg 7,672 lb
- Bucket: None

Arm: 2900 mm 9'6"

Shoes: 700 mm 28"

Unit: kg lb

A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ MAX	
B	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 2950	* 2950
											* 6600	* 6600
6.1 m 20'							* 3800	3750			* 2650	* 2650
							* 8400	8300			* 5900	* 5900
4.6 m 15'							* 4750	3700			* 2550	* 2550
							* 10500	8200			* 5700	* 5700
3.0 m 10'			* 9200	* 9200	* 6400	5400	* 5300	3600	* 3300	2600	* 2600	2500
			* 20300	* 20300	* 14100	11900	* 11700	7900	* 7300	5700	* 5800	5500
1.5 m 5'			* 7500	* 7500	* 7750	5050	5300	3400	3850	2500	* 2800	2400
			* 16600	* 16600	* 17100	11100	11700	7600	8500	5600	* 6200	5300
0 m 0'			* 7450	* 7450	7900	4800	5200	3300	* 3700	2450	* 3100	2450
			* 16500	* 16500	17500	10600	11400	7300	* 8200	5400	* 6900	5400
-1.5 m -5'	* 6100	* 6100	* 10750	8500	7800	4750	5100	3250			* 3750	2650
	* 13400	* 13400	* 23700	18800	17200	10400	11300	7200			* 8300	5800
-3.0 m -10'	* 9950	* 9950	* 11250	8600	7850	4750	5150	3300			4950	3150
	* 21900	* 21900	* 24900	19000	17300	10500	11400	7200			11000	7000
-4.6 m -15'			* 8050	* 8050	* 5450	4950					* 5200	4750
			* 17800	* 17800	* 12000	10900					* 11400	10500

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



STANDARD EQUIPMENT

- Alternator, 60 Ampere, 24V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auxiliary input (3.5mm jack)
- Batteries, large capacity
- Battery disconnect switch
- Boom holding valve
- Converter, (2) x 12V
- Counterweight, 2990 kg **6,592 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA4D107E-2
- Engine overheat prevention system
- Extended work equipment grease interval
- Fan guard structure
- Fuel system pre-cleaner 10 micron
- Hydraulic track adjusters
- KOMTRAX® Level 4.0
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1 (ISO 10262)
- Pattern change valve (ISO to BH control)
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame undercovers
- ROPS cab (ISO 12117-2)
- Seat belt, retractable, 76mm **3"**
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Shoes, triple grouser, 600 mm **24"**
- Skylight
- Slip resistant foot plates
- Starter motor, 4.5kW
- Suction fan
- Thermal and fan guards
- Track frame undercover
- Travel alarm
- Working lights, 1 cab LH side/1 boom RH
- Working mode selection system



OPTIONAL EQUIPMENT

- (1) additional rearview camera
- Arms
 - 2900 mm **9'6"** arm assembly
 - 2610 mm **8'7"** arm assembly
 - 2900 mm **9'6"** arm w/ one actuator piping
 - 2610 mm **8'7"** arm w/ one actuator piping
- Boom
 - 5150 mm **16'11"** boom assembly
 - 5150 mm **16'11"** boom w/ one actuator piping
- Counterweight, 3480 kg **7,672 lb**
- Cab guards
 - Full front guard, OPG Level 1
 - Full front guard, OPG Level 2
 - Bolt-on top guard, OPG Level 2
- Hydraulic control unit, 1 actuator
- Shoes, triple grouser, 700 mm **28"**
- Shoes, triple grouser, 800 mm **32"**
- Sun visor



ATTACHMENT OPTIONS

- Hydraulic couplers
- Hydraulic kits, field installed

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

KOMATSU®

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