KOMATSU®

PC360LC-11

Tier 4 Final Engine

PC360LC

HYDRAULIC EXCAVATOR

Photos may include optional equipment.

NET HORSEPOWER
257 HP @ 1950 rpm
192 kW @ 1950 rpm

OPERATING WEIGHT
78,645–80,547 lb
35,627–36,535 kg

BUCKET CAPACITY
0.89–2.56 yd^3
0.68–1.96 m^3

WALK-AROUND

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KOMATSU CARE®

GREATER PERFORMANCE & FASTER CYCLE TIMES

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

Power Mode with enhanced engine and hydraulic pump control logic provides greater hydraulic power and speed for faster cycle times, improved multifunction performance and up to 12% greater productivity than the previous model.

A powerful Komatsu SAA6D114E-6 engine provides a net output of 192 kW **257 HP**. This engine is EPA Tier 4 Final emissions certified.

Variable Geometry Turbocharger (VGT) uses a hydraulic actuator to provide optimum air flow under all speed and load conditions.

Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) system reduce particulate matter and NOx while providing automatic regeneration that does not interfere with daily operation.

Large displacement high efficiency pumps provide high flow output at lower engine speed, improving efficiency.

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

Power Mode
provides improved power and hydraulic flow for faster cycle times and multifunction operation.

Two boom mode settings provide power mode for maximum digging force or smooth mode for fine grading operations.

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

Rearview monitoring system (standard) with integrated camera display in the default monitor screen.

KOMTRAX® equipped machines can send location, SMR and operation maps to a secure website or smart phone utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel & Diesel Exhaust Fluid (DEF) levels, and much more.

Large LCD color monitor:

- 7" high resolution display
- Enhanced hydraulic attachment control with one way/two way flow and programmable work tool names and settings
- Rear view camera display integrated into the default monitor screen
- Key machine settings and controls easily accessible through the monitor

Enhanced working environment

- High back, heated air suspension seat with adjustable arm rests
- Integrated ROPS cab design
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard
- Standard pattern change valve to switch between ISO and BH control pattern
- Auxiliary jack and (2) 12V power outlets
- Auto climate control

Komatsu designed and manufactured components

Handrails (standard) located on the machine upper structure provide a convenient work area in front of the engine.

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

Heavy duty boom design with large one piece castings provide increased strength and durability.

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

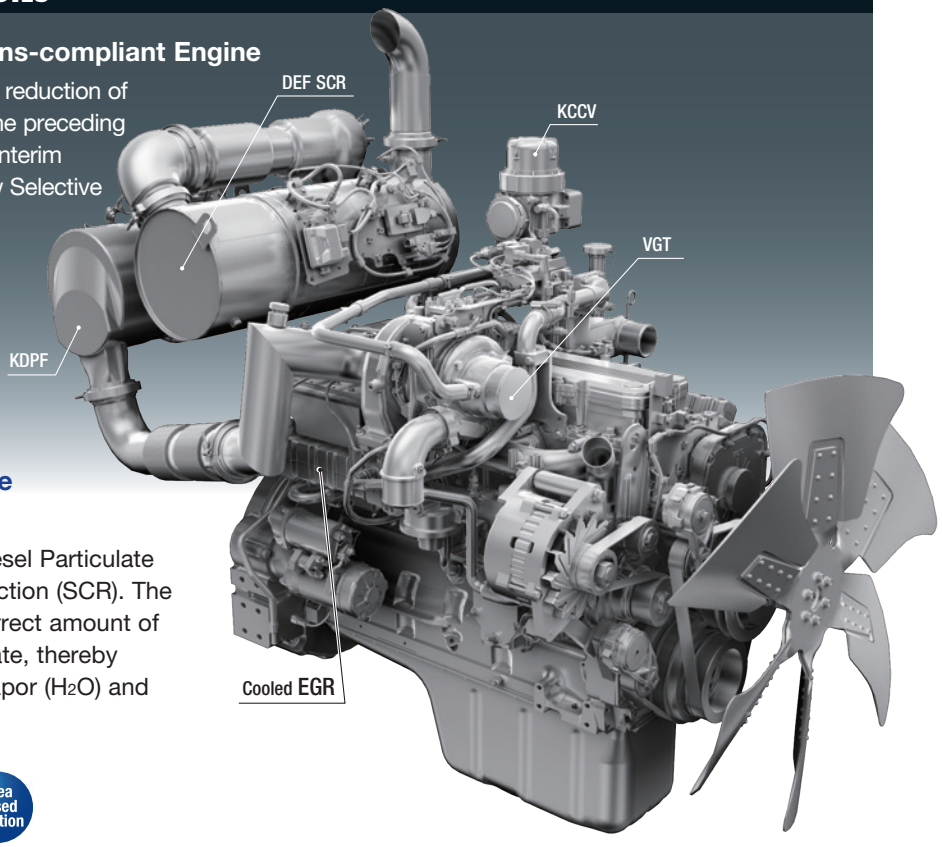
Operator Identification System records KOMTRAX® machine operation and application data for up to 100 individual ID codes.

PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

Komatsu's New Emission Regulations-compliant Engine

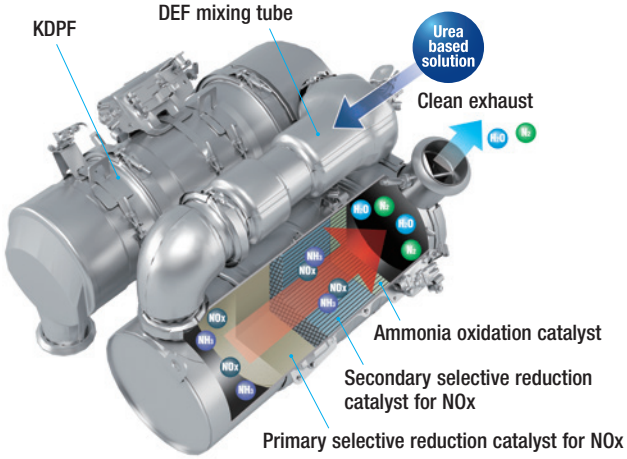
New regulations effective in 2014 require the reduction of NOx emissions to one tenth or below from the preceding regulations. In addition to refining the Tier 4 Interim technologies, Komatsu has developed a new Selective Catalytic Reduction (SCR) device in-house.



Technologies Applied to New Engine

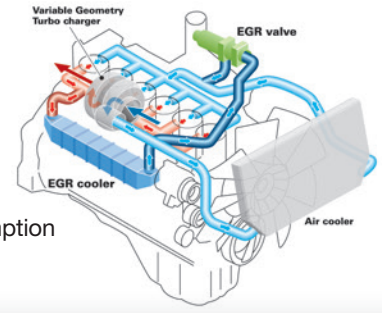
Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapor (H_2O) and nitrogen gas (N_2).



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into the air intake and lowers combustion temperatures, thereby reducing NOx emissions. EGR gas flow has been decreased for Tier 4 Final with the addition of SCR technology. The system achieves a dynamic reduction of NOx, while helping reduce fuel consumption below Tier 4 Interim levels.

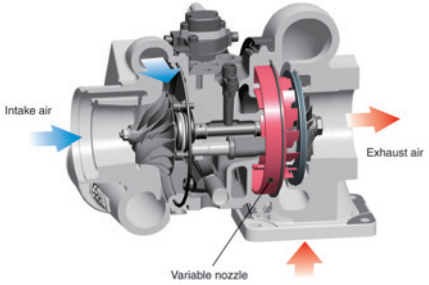


Advanced Electronic Control System

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle providing total control of equipment in all conditions of use. Engine condition information is displayed via an on-board network to the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via KOMTRAX helps customers keep up with required maintenance.

Variable Geometry Turbocharger (VGT) system

The VGT system features proven Komatsu design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version provides better exhaust temperature management.

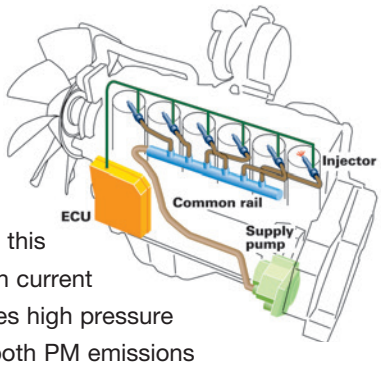


Komatsu Auto Idle Shutdown

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.

Heavy-Duty High-Pressure Common Rail (HPCR) Fuel Injection System

The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, providing close to complete combustion to reduce PM emissions. While this technology is already used in current engines, the new system uses high pressure injection, thereby reducing both PM emissions and fuel consumption over the entire range of engine operating conditions. The Tier 4 Final engine has advanced fuel injection timing for reduced fuel consumption and lower soot levels.



Enhanced Productivity

The PC360LC-11's P Mode provides improved performance in demanding applications.

Productivity

Up to 12% increase
(compared to the PC360LC-10 in P Mode)

P mode (90° swing truck loading)

Increased Work Efficiency

Large digging force

With the one-touch Power Max. function, digging force is increased for 8.5 seconds of operation.

Maximum arm crowd force (ISO)

160 kN(16.3t) ➡ 171 kN(17.4t) 7% UP
(With Power Max.)

Maximum bucket digging force (ISO)

213 kN(21.7t) ➡ 228 kN(23.2t) 7% UP
(With Power Max.)

Measured with Power Max. function, 3185 mm arm and ISO rating

Faster arm cycle speeds

Two return hoses improve arm cylinder hydraulic flow for faster arm out performance.

Two-mode settings for boom

- Smooth boom mode reduces boom down force for working on hard surfaces or for hydraulic hammer operation.
- Power boom mode maximizes digging force for more effective excavating

Lifting mode

When the Lifting mode is selected, lifting capacity is increased 7% by raising hydraulic pressure.

WORKING ENVIRONMENT

Comfortable Working Space

Wide spacious cab

Wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Arm rest with simple height adjustment function

The addition of a knob and a plunger to the armrest permits the height of the armrest to be easily adjusted without the use of tools.

Low vibration with cab damper mounting

Automatic climate control

Pressurized cab

Auxiliary input jack

Connecting a regular audio device to the auxiliary jack allows the operator to hear the sound from the speakers installed in the cab.

Standard Equipment

Sliding window glass (left side)

AM/FM stereo radio & ashtray

Remote intermittent wiper with windshield washer

Cigarette lighter

Opening & closing skylight

Magazine box & cup holder

Defroster
(conforms to the ISO standard)

One-touch storable front window lower glass

WORKING ENVIRONMENT

LARGE HIGH RESOLUTION LCD MONITOR

New Monitor Panel Interface Design

An updated large high resolution LCD color monitor enables accurate and smooth work. The interface has been redesigned to display key machine information in a new user friendly interface. A rear view camera and a DEF level gauge display have been added to the default main screen. The interface has a function that enables the main screen mode to be switched, thus enabling the optimum screen information for the particular work situation to be displayed.

Indicators

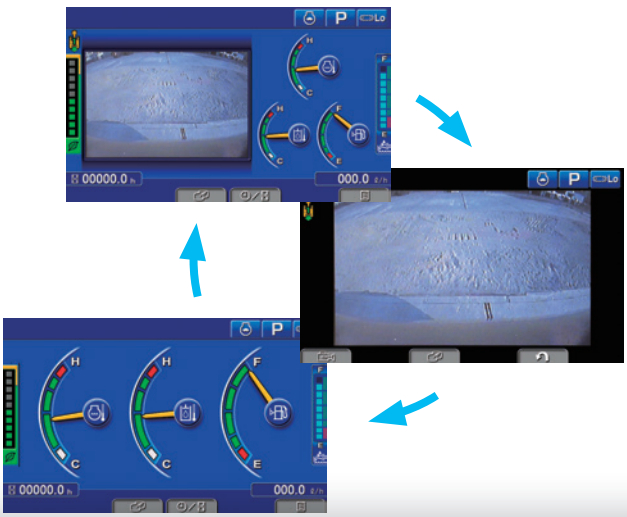
1. Auto-decelerator
2. Working mode
3. Travel speed
4. Ecology gauge
5. Camera display
6. Engine coolant temperature gauge
7. Hydraulic oil temperature gauge
8. Fuel gauge
9. DEF level gauge
10. Service meter, clock
11. Fuel consumption gauge
12. Guidance icon
13. Function switches
14. Camera direction display
15. DEF level caution lamp

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Travel speed selector
4. Buzzer cancel
5. Wiper
6. Window washer
7. Auto climate controls

Switchable Display Modes

The main screen display mode can be changed by pressing the pressing the F3 key.



Visual user menu

Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated easily.

1 Energy saving guidance 2 Machine settings
3 Aftertreatment devices regeneration 4 SCR information
5 Maintenance 6 Monitor setting 7 Message check

Support Efficiency Improvement

Ecology guidance

While the machine is operating, ecology guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

Ecology gauge & fuel consumption gauge

The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.

Ecology gauge | Fuel consumption gauge

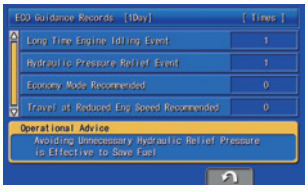
Ecology guidance

Operation record, fuel consumption history, and ecology guidance record

The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu, using a single touch, thus enabling the total fuel consumption to be reduced.

Operation record

Fuel consumption history



Ecology guidance record

Operator Identification Function

An identification ID can be set up for individual operator, application or jobs, and used to manage operation information of individual machines using KOMTRAX data. Data sent from KOMTRAX can be used to analyze operation status by operator as well as by machine.

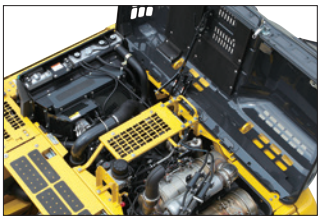
MAINTENANCE FEATURES

Large capacity air cleaner

The larger air cleaner can extend air cleaner life during long-term operation and helps prevent early clogging, and resulting power loss. A radial seal design is used for reliability.

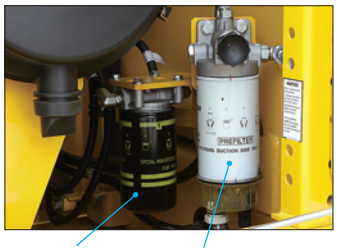
Engine Access

Large rear opening hood provides excellent maintenance and service access to key engine components.



Fuel Filters

Large high-efficiency fuel filter and pre-filter with water separator removes contaminants from fuel for improved fuel injection system life. Built-in priming pump simplifies maintenance.

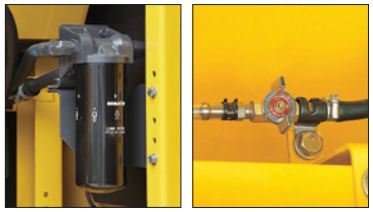


High efficiency fuel filter

Fuel pre-filter (with water separator)

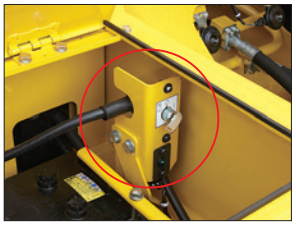
Easy access to engine oil filter and fuel drain valve

Engine oil filter and fuel drain valve are remote mounted to improve accessibility.



Battery disconnect switch

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



Air conditioner filter

The air conditioner filter can be removed and installed without the use of tools for easy filter maintenance.

Washable cab floormat

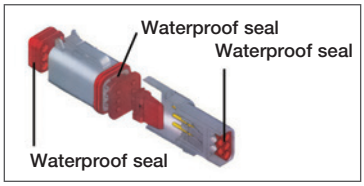
Sloping track frame

Long-life oils, filters

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

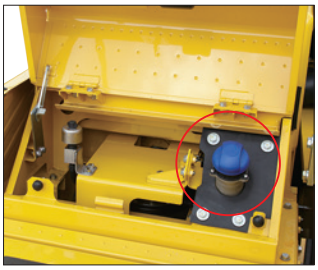
DT-type connectors

Sealed DT-type electrical connectors provide high reliability, water and dust resistance.



Diesel Exhaust Fluid (DEF) tank

A large tank volume extends operating time before refilling and is installed on the right front platform for easy access. DEF tank and pump are separated for improved service access.



Maintenance Information

"Maintenance time caution lamp" display

When the remaining time to maintenance becomes less than 30 hours*, a maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen.

* : The setting can be changed within the range between 10 and 200 hours.

Maintenance screen

Manual Stational Regeneration

Under most conditions, active regeneration will occur automatically with no effect on machine operation. In case the operator needs to disable active regeneration or initiate a manual stationary regeneration, this can be easily accomplished through the monitor panel. A soot level indicator is displayed to show how much soot is trapped in the KDPF.

Soot level indicator

Aftertreatment device regeneration screen

Supports the DEF level and refill timing

The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.

DEF level gauge

DEF low level guidance

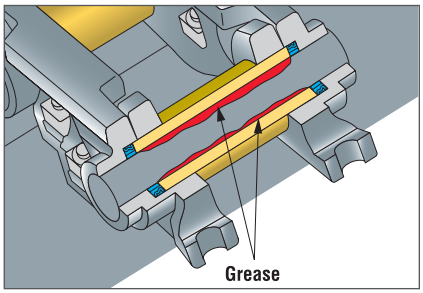
MAINTENANCE FEATURES

Drawbar Pull

The Komatsu designed final drives and undercarriage provide high drawbar pull for good maneuverability and performance when working on adverse grades or soft ground.

Grease Sealed Track

The PC360LC-11 uses grease sealed tracks for extended undercarriage life.



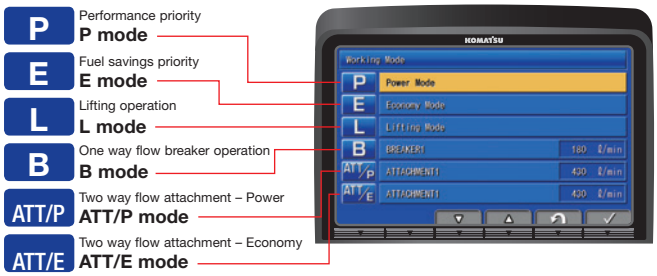
Large Displacement High Efficiency Pump

Large displacement hydraulic implement pumps provide high flow output at lower engine RPM as well as operation at the most efficient engine speed.

Working Mode Selection

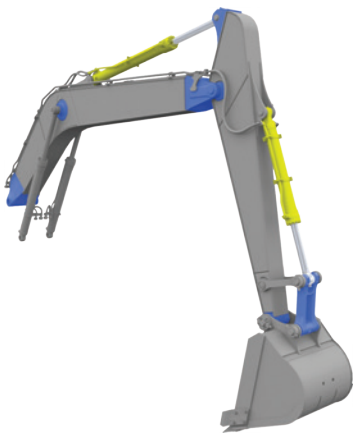
The PC360LC-11 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Power Mode provides improved hydraulic power and faster cycle times for improved performance in demanding applications. Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC360LC-11 features an attachment mode (ATT/E) that allows operators to run attachments while in Economy mode.

Working Mode	Application	Advantage
P	Power Mode	•Maximum production, power & multifunction
E	Economy Mode	•Good cycle times with reduced fuel consumption
L	Lifting Mode/ Fine Control	•Increased lifting power & fine control
B	Breaker Mode	•One way flow for hydraulic breaker operation
ATT/P	Attachment Power Mode	•Two way flow with maximum power
ATT/E	Attachment Economy Mode	•Two way flow with most efficient fuel economy



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, the boom tip, and the arm tip. The result is work equipment that exhibits long term durability and high resistance to bending and torsional stress. A standard HD boom design provides increased strength and reliability.



GENERAL FEATURES

ROPS CAB STRUCTURE

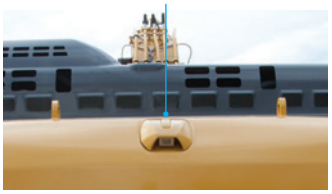
ROPS Cab (ISO 12117-2)

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. It also satisfies the requirements for Level 1 Operator Protective Guard (OPG) and top guard (ISO 10262).

Rear View Monitoring System

A new rear view monitoring system display has a rear view camera image that is continuously displayed together with the gauges and important vehicle information. This enables the operator to carry out work while easily checking the surrounding area.

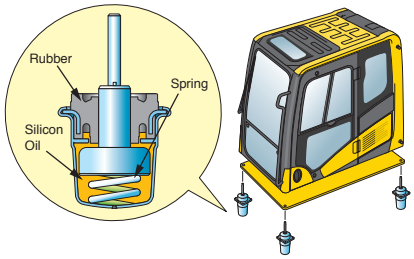
Rear view camera



Rear view image on monitor

Low Vibration with Viscous Cab Mounts

The PC360LC-11 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.



General Features

Secondary engine shut down switch at base of seat to shutdown the engine.

Lock lever

Retractable seat belt

Tempered & tinted glass

Large cab entrance step

Left and right side hand rails

Seat belt caution indicator

Large mirrors

Slip-resistant plates

Thermal and fan guards

Pump/engine compartment partition

Travel alarm

KOMATSU PARTS & SERVICE SUPPORT

Every new Komatsu Tier 4 Final construction machine is covered.

The Komatsu CARE program covers all new Komatsu Tier 4 Final construction equipment, whether rented, leased or purchased. For the first 3 years or 2,000 hours, whichever occurs first, you'll receive:

- Regular service at 500, 1,000, 1,500 and 2,000-hr. intervals
- DEF tank breather element replacement at 1,000 hours
- DEF and CCV filters replacement at 2,000 hours
- 50-point inspection by factory-trained technician at each scheduled interval
- Technician labor
- Fluids, oils, coolant, filters, SCR screen, tank breather and parts
- Technician travel to and from your equipment location

Plus two complimentary KDPF exchanges and SCR system service for 5 years-no hours limits. *

Service will be performed by a Komatsu Distributor and only Komatsu genuine fluids and filters will be used.

Komatsu CARE® services are available from every Komatsu Distributor in the U.S. and Canada.

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

* Some exclusions apply. Please contact your Komatsu distributor for specific program details.

Komatsu Parts Support

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

Komatsu Oil and Wear Analysis (KOWA)

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

KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH KOMTRAX®

WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

WHEN

- 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 is due** and help you plan for future maintenance needs

WHERE

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

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

KOMTRAX®
For construction and compact equipment.

KOMTRAX Plus®
For production and mining class machines.

SPECIFICATIONS

PC360LC-11

ENGINE

Model ..... Komatsu SAA6D114E-6*
Type ..... Water-cooled, 4-cycle, direct injection
Aspiration ..... Komatsu Variable Geometry Turbocharger with air-to-air aftercooler and EGR
Number of cylinders 6
Bore ..... 114 mm **4.49"**
Stroke ..... 144.5 mm **5.69"**
Piston displacement ..... 8.85 ltr **540 in³**
Horsepower:
SAE J1995 ..... Gross 202 kW **271 HP**
ISO 9249 / SAE J1349 ..... Net 192 kW **257 HP**
Rated rpm 1950
Governor ..... All-speed control, electronic
Fan drive method for radiator cooling ..... Mechanical

*EPA Tier 4 Final emissions certified

HYDRAULICS

Type ... HydrauMind (Hydraulic Mechanical Intelligence) system, closed-center system with load sensing valve and pressure compensated valves, 6 selectable working modes
Main pump:
Pumps for ..... Boom, arm, bucket, swing, and travel circuits
Type ..... Variable displacement axial piston type
Maximum flow ..... 535 ltr/min **141.3 gal/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 ..... 37.3 MPa 380 kgf/cm² **5,400 psi**
Travel circuit ..... 37.3 MPa 380 kgf/cm² **5,400 psi**
Swing circuit ..... 27.9 MPa 285 kgf/cm² **4,050 psi**
Pilot circuit ..... 3.2 MPa 33 kgf/cm² **470 psi**
Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom .... 2–140 mm x 1480 mm x 100 mm **5.5" x 58.3" x 3.9"**
Arm ..... 1–160 mm x 1825 mm x 110 mm **6.3" x 71.9" x 4.3"**
Bucket ..... for 3.2 m **10'5"** and 4.0 m **13'2"** Arms 1–140 mm x 1285 mm x 100 mm **5.5" x 50.6" x 3.9"**
..... for 2.54 m **8'4"** Arm 1–150 mm x 1285 mm x 110 mm **5.9" x 50.6" x 4.3"**

DRIVES AND BRAKES

Steering control ..... Two lever with pedals
Drive method ..... Hydrostatic
Maximum drawbar pull ..... 290 kN 29570 kgf **65,191 lbf**
Gradeability ..... 70%, 35°
Maximum travel speed (auto shift):
High ..... 5.5 km/h **3.4 mph**
Mid ..... 4.2 km/h **2.8 mph**
Low ..... 3.2 km/h **2.0 mph**
Service brake ..... Hydraulic lock
Parking brake ..... Mechanical disc brake

SWING SYSTEM

Driven by ..... Hydraulic motor
Swing reduction ..... Planetary gear
Swing circle lubrication ..... Grease-bathed
Service brake ..... Hydraulic lock
Holding brake/Swing lock ..... Mechanical disc brake
Swing speed ..... 9.5 rpm
Swing torque ..... 11386 kg•m **82,313 ft lbs**

UNDERCARRIAGE

Center frame ..... X-frame
Track frame ..... Box-section
Track type ..... Sealed
Track adjuster ..... Hydraulic
Number of shoes (each side) 48
Number of carrier rollers (each side) 2
Number of track rollers (each side) 8

COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 605 ltr **159.8 U.S. gal**
Radiator ..... 37 ltr **9.7 U.S. gal**
Engine ..... 35 ltr **9.2 U.S. gal**
Final drive, each side ..... 9.0 ltr **2.4 U.S. gal**
Swing drive ..... 13.7 ltr **3.6 U.S. gal**
Hydraulic tank ..... 188 ltr **49.7 U.S. gal**
Diesel Exhaust Fluid (DEF) tank ..... 39 ltr **10.3 U.S. gal**

OPERATING WEIGHT (APPROXIMATE)

Operating weight includes 6500 mm **21'3"** one-piece HD boom, 3185 mm **10'5"** arm, SAE heaped 1.96 m³ **2.56 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
700 mm **28"**	35748 kg **78,645 lb**	0.59 kg/cm² **8.35 psi**
800 mm **31.5"**	36129 kg **79,483 lb**	0.52 kg/cm² **7.44 psi**
850 mm **33.5"**	36509 kg **80,320 lb**	0.50 kg/cm² **7.03 psi**

WORKING FORCES

	Arm Length	2540 mm 8'4"	3185 mm 10'5"	4020 mm 13'2"
ISO rating	Bucket digging force	229 kN 23300 kgf / **51,370 lb**	200 kN 20400 kgf / **44,970 lb**	200 kN 20400 kgf / **44,970 lb**
	Arm crowd force	193 kN 19700 kgf / **43,430 lb**	165 kN 16800 kgf / **37,040 lb**	139 kN 14200 kgf / **31,310 lb**
SAE rating	Bucket digging force	259 kN 26400 kgf / **58,200 lb**	228 kN 23200 kgf / **51,150 lb**	227 kN 23100 kgf / **50,930 lb**
	Arm crowd force	201 kN 20500 kgf / **45,190 lb**	171 kN 17400 kgf / **38,360 lb**	144 kN 14700 kgf / **32,410 lb**

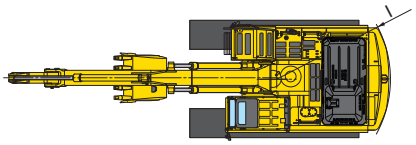
Component Weights

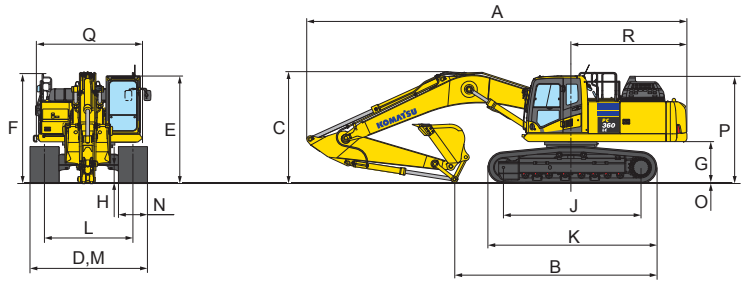
Arm including bucket cylinder and linkage
3185 mm **10'5"** arm assembly ..... 1761 kg **3,882 lb**
4020 mm **13'2"** arm assembly ..... 1988 kg **4,383 lb**
One piece HD boom including arm cylinder
6500 mm **21'3"** boom assembly ..... 3135 kg **6,912 lb**
Boom cylinders x 2 ..... 259 kg **571 lb**
Counterweight ..... 6920 kg **15,255 lb**

DIMENSIONS

	Arm Length	3185 mm	10'5"	4020 mm	13'2"
A	Overall length	11145 mm	36'7"	11170 mm	36'8"
B	Length on ground (transport)	5935 mm	19'6"	5475 mm	18'0"
C	Overall height (to top of boom)*	3285 mm	10'9"	3760 mm	12'4"
D	Overall width	3440 mm	11'3"		
E	Overall height (to top of cab)*	3160 mm	10'4"		
F	Overall height (to top of handrail)*	3255 mm	10'8"		
G	Ground clearance, counterweight	1185 mm	3'11"		
H	Ground clearance, minimum	498 mm	1'8"		
I	Tail swing radius	3445 mm	11'4"		
J	Track length on ground	4030 mm	13'3"		
K	Track length	4955 mm	16'3"		
L	Track gauge	2590 mm	8'6"		
M	Width of crawler	3440 mm	11'3"		
N	Shoe width	850 mm	33.5"		
O	Grouser height	36 mm	1.4"		
P	Machine height to top of engine cover	3135 mm	10'3"		
Q	Machine upper width **	3145 mm	10'4"		
R	Distance, swing center to rear end	3405 mm	11'2"		

* : Including grouser height ** : Including handrail





BACKHOE BUCKET, ARM AND BOOM COMBINATION

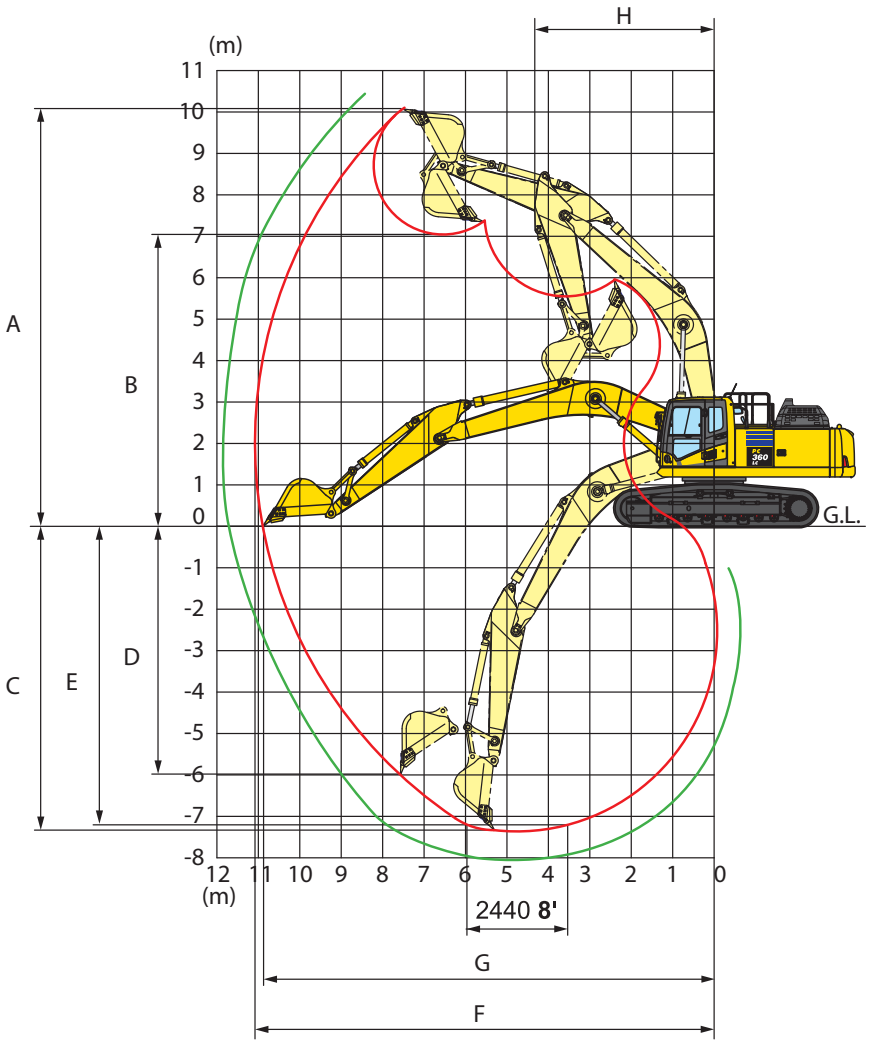
Bucket Type	Bucket Capacity		Teeth	Width		Weight		Tip Radius		6.5 m (21'3") Boom 3.2 m (10'5")	6.5 m (21'3") Boom 4.0 m (13'2")
Komatsu TL	0.93 m³	1.21 yd³	4	762 mm	30"	1097 kg	2418 lb	1674 mm	65.9"	●	●
	1.18 m³	1.54 yd³	4	914 mm	36"	1198 kg	2641 lb	1674 mm	65.9"	●	●
	1.44 m³	1.88 yd³	5	1067 mm	42"	1325 kg	2921 lb	1674 mm	65.9"	●	●
	1.70 m³	2.22 yd³	5	1219 mm	48"	1426 kg	3144 lb	1674 mm	65.9"	●	○
	1.96 m³	2.56 yd³	6	1372 mm	54"	1554 kg	3425 lb	1674 mm	65.9"	○	□
Komatsu HP	0.68 m³	0.89 yd³	3	610 mm	24"	1022 kg	2254 lb	1674 mm	65.9"	●	●
	0.93 m³	1.21 yd³	4	762 mm	30"	1178 kg	2598 lb	1674 mm	65.9"	●	●
	1.18 m³	1.54 yd³	4	914 mm	36"	1358 kg	2993 lb	1674 mm	65.9"	●	●
	1.44 m³	1.88 yd³	5	1067 mm	42"	1439 kg	3173 lb	1674 mm	65.9"	●	●
	1.70 m³	2.22 yd³	5	1219 mm	48"	1555 kg	3429 lb	1674 mm	65.9"	●	□
	1.96 m³	2.56 yd³	6	1372 mm	54"	1701 kg	3750 lb	1674 mm	65.9"	□	⊙
Komatsu HPS	0.68 m³	0.89 yd³	3	610 mm	24"	1112 kg	2451 lb	1674 mm	65.9"	●	●
	0.93 m³	1.21 yd³	4	762 mm	30"	1294 kg	2853 lb	1674 mm	65.9"	●	●
	1.18 m³	1.54 yd³	4	914 mm	36"	1437 kg	3167 lb	1674 mm	65.9"	●	●
	1.44 m³	1.88 yd³	5	1067 mm	42"	1607 kg	3543 lb	1674 mm	65.9"	●	○
	1.70 m³	2.22 yd³	5	1219 mm	48"	1750 kg	3857 lb	1674 mm	65.9"	○	□
	1.96 m³	2.56 yd³	6	1372 mm	54"	1921 kg	4236 lb	1674 mm	65.9"	□	⊙
Komatsu HPX	0.68 m³	0.89 yd³	3	610 mm	24"	1239 kg	2731 lb	1674 mm	65.9"	●	●
	0.93 m³	1.21 yd³	4	762 mm	30"	1421 kg	3133 lb	1674 mm	65.9"	●	●
	1.18 m³	1.54 yd³	4	914 mm	36"	1564 kg	3447 lb	1674 mm	65.9"	●	●
	1.44 m³	1.88 yd³	5	1067 mm	42"	1734 kg	3823 lb	1674 mm	65.9"	●	○
	1.70 m³	2.22 yd³	5	1219 mm	48"	1877 kg	4137 lb	1674 mm	65.9"	○	□
	1.96 m³	2.56 yd³	6	1372 mm	54"	2048 kg	4516 lb	1674 mm	65.9"	□	⊙

● - Used with material weights up to 3,500 lb/yd³ – Quarry/rock/high abrasion applications
□ - Used with material weights up to 2,500 lb/yd³ – General construction
○ - Used with material weights up to 3,000 lb/yd³ – Tough digging applications
⊙ - Used with material weights up to 2,000 lb/yd³ – Light materials applications
X - Not useable

Komatsu recommends the use of buckets sized to machine capacity. Buckets listed in the table above are sized appropriate to the specified material densities. Buckets exceeding recommended sizes may result in reduced performance

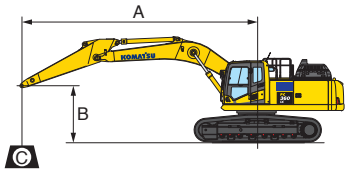
SPECIFICATIONS

WORKING RANGE



	Arm Length	3185 mm	10'5"	4020 mm	13'2"
A	Max. digging height	10210 mm	**33'6"**	10550 mm	**34'7"**
B	Max. dumping height	7110 mm	**23'4"**	7490 mm	**24'7"**
C	Max. digging depth	7380 mm	**24'3"**	8180 mm	**26'10"**
D	Max. vertical wall digging depth	6480 mm	**21'3"**	7280 mm	**23'11"**
E	Max. digging depth for 8' level bottom	7180 mm	**23'7"**	8045 mm	**26'5"**
F	Max. digging reach	11100 mm	**36'5"**	11900 mm	**39'1"**
G	Max. digging reach at ground level	10920 mm	**35'10"**	11730 mm	**38'6"**
H	Min. swing radius	4310 mm	**14'2"**	4320 mm	**14'2"**
SAE rating	Bucket digging force at power max.	200 kN 20400 kg / **44,970 lb**		200 kN 20400 kg / **44,970 lb**	
	Arm crowd force at power max.	165 kN 16800 kg / **37,040 lb**		139 kN 14200 kg / **31,310 lb**	
ISO rating	Bucket digging force at power max.	228 kN 23200 kg / **51,150 lb**		227 kN 23100 kg / **50,930 lb**	
	Arm crowd force at power max.	171 kN 17400 kg / **38,360 lb**		144 kN 14700 kg / **32,410 lb**	

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 :
- 6500 mm **21' 3"** one-piece boom
- Bucket: None
- Lifting mode: On

Arm: 3185 mm **10'5"** **Shoes:** 800 mm **31.5"** **Unit:** kg lb

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX Cf	MAX Cs
7.6 m											* 7250	* 7250
25'											* **15900**	* **15900**
6.1 m							* 8890	7600			* 7050	6440
20 '							* **19600**	**16700**			* **15500**	**14200**
4.6 m					* 10740	10260	* 9370	7430			* 7100	5750
15'					* **23600**	**22600**	* **20600**	**16300**			* **15600**	**12600**
3.0 m			* 16210	14630	* 12090	9790	* 10030	7200	8240	5570	* 7380	5390
10'			* **35700**	**32200**	* **26600**	**21500**	* **22100**	**15800**	**18100**	**12200**	* **16200**	**11800**
1.5 m			* 18180	13820	* 13220	9370	10510	6980	8120	5460	7820	5260
5'			* **40000**	**30400**	* **29100**	**20600**	**23100**	**15300**	**17900**	**12000**	**17200**	**11600**
0 m			* 18550	13460	* 13740	9100	10330	6810	8040	5390	7990	5360
0'			* **40900**	**29600**	* **30200**	**20000**	**22700**	**15000**	**17700**	**11800**	**17600**	**11800**
-1.5 m	* 13710	* 13710	* 17720	13380	* 13480	8980	10240	6730			8570	5710
-5'	* **30200**	* **30200**	* **39000**	**29500**	* **29700**	**19800**	**22500**	**14800**			**18800**	**12600**
-3.0 m	* 20540	* 20540	* 15850	13490	* 12300	9010	* 9440	6780			* 8870	6490
-10'	* **45200**	* **45200**	* **34900**	**29700**	* **27100**	**19800**	* **20800**	**14900**			* **19500**	**14300**
-4.6 m	* 15670	* 15670	* 12560	* 12560	* 9590	9210					* 8350	8250
-15'	* **34500**	* **34500**	* **27600**	* **27600**	* **21100**	**20300**					* **18400**	**18100**

Arm: 3185 mm **10'5"** **Shoes:** 850 mm **33.5"** **Unit:** kg lb

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX Cf	MAX Cs
7.6 m											* 7250	* 7250
25'											* **15900**	* **15900**
6.1 m							* 8890	7630			* 7050	6470
20 '							* **19600**	**16800**			* **15500**	**14200**
4.6 m					* 10740	10300	* 9370	7460			* 7100	5770
15'					* **23600**	**22700**	* **20600**	**16400**			* **15600**	**12700**
3.0 m			* 16210	14690	* 12090	9830	* 10030	7230	8280	5590	* 7380	5410
10'			* **35700**	**32300**	* **26600**	**21600**	* **22100**	**15900**	**18200**	**12300**	* **16200**	**11900**
1.5 m			* 18180	13880	* 13220	9410	10560	7010	8160	5490	7850	5290
5'			* **40000**	**30600**	* **29100**	**20700**	**23200**	**15400**	**18000**	**12100**	**17300**	**11600**
0 m			* 18550	13520	* 13740	9140	10380	6840	8080	5410	8030	5380
0'			* **40900**	**29800**	* **30200**	**20100**	**22800**	**15000**	**17800**	**11900**	**17700**	**11800**
-1.5 m	* 13710	* 13710	* 17720	13450	* 13480	9020	10290	6770			8610	5740
-5'	* **30200**	* **30200**	* **39000**	**29600**	* **29700**	**19900**	**22700**	**14900**			**18900**	**12600**
-3.0 m	* 20540	* 20540	* 15850	13550	* 12300	9050	* 9440	6810			* 8870	6520
-10'	* **45200**	* **45200**	* **34900**	**29800**	* **27100**	**19900**	* **20800**	**15000**			* **19500**	**14300**
-4.6 m	* 15670	* 15670	* 12560	* 12560	* 9590	9260					* 8350	8290
-15'	* **34500**	* **34500**	* **27600**	* **27600**	* **21100**	**20400**					* **18400**	**18200**

Arm: 4020 mm **13'2"** **Shoes:** 800 mm **31.5"** **Unit:** kg lb

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX Cf	MAX Cs
7.6 m							* 7750	* 7750			* 5610	* 5610
25'							* **17000**	* **17000**			* **12300**	* **12300**
6.1 m							* 7950	7680	* 6550	5740	* 5460	* 5460
20 '							* **17500**	**16900**	* **14400**	**12600**	* **12000**	* **12000**
4.6 m							* 8520	7470	* 7870	5660	* 5470	4980
15'							* **18700**	**16400**	* **17300**	**12400**	* **12000**	**10900**
3.0 m			* 14340	* 14340	* 11020	9870	* 9280	7190	8210	5520	* 5640	4700
10'			* **31600**	* **31600**	* **24300**	**21700**	* **20400**	**15800**	**18100**	**12100**	* **12400**	**10300**
1.5 m			* 16890	13900	* 12370	9350	* 10010	6900	8040	5370	* 5950	4590
5'			* **37200**	**30600**	* **27200**	**20600**	* **22000**	**15200**	**17700**	**11800**	* **13100**	**10100**
0 m	* 8320	* 8320	* 18090	13270	* 13230	8960	10200	6670	7910	5240	* 6480	4640
0'	* **18300**	* **18300**	* **39800**	**29200**	* **29100**	**19700**	**22500**	**14700**	**17400**	**11500**	* **14200**	**10200**
-1.5 m	* 12420	12420	* 17980	13030	* 13400	8740	10050	6530	7840	5180	* 7330	4890
-5'	* **27300**	**27300**	* **39600**	**28700**	* **29500**	**19200**	**22100**	**14400**	**17200**	**11400**	* **16100**	**10700**
-3.0 m	* 17840	* 17840	* 16780	13030	* 12760	8700	* 10020	6510			* 8040	5410
-10'	* **39300**	* **39300**	* **37000**	**28700**	* **28100**	**19100**	* **22000**	**14300**			* **17700**	**11900**
-4.6 m	* 19190	* 19190	* 14360	13230	* 11040	8810	* 8190	6640			* 7850	6480
-15'	* **42300**	* **42300**	* **31600**	**29100**	* **24300**	**19400**	* **18000**	**14600**			* **17300**	**14300**

Arm: 4020 mm **13'2"** **Shoes:** 850 mm **33.5"** **Unit:** kg lb

A / B	3.0 m 10' Cf	3.0 m 10' Cs	4.6 m 15' Cf	4.6 m 15' Cs	6.1 m 20' Cf	6.1 m 20' Cs	7.6 m 25' Cf	7.6 m 25' Cs	9.1 m 30' Cf	9.1 m 30' Cs	MAX Cf	MAX Cs
7.6 m							* 7750	* 7750			* 5610	* 5610
25'							* **17000**	* **17000**			* **12300**	* **12300**
6.1 m							* 7950	7720	* 6550	5770	* 5460	* 5460
20 '							* **17500**	**17000**	* **14400**	**12700**	* **12000**	* **12000**
4.6 m							* 8520	7500	* 7870	5690	* 5470	5010
15'							* **18700**	**16500**	* **17300**	**12500**	* **12000**	**11000**
3.0 m			* 14340	* 14340	* 11020	9910	* 9280	7220	* 8220	5550	* 5640	4720
10'			* **31600**	* **31600**	* **24300**	**21800**	* **20400**	**15900**	* **18100**	**12200**	* **12400**	**10400**
1.5 m			* 16890	13960	* 12370	9390	* 10010	6940	8080	5400	* 5950	4610
5'			* **37200**	**30700**	* **27200**	**20700**	* **22000**	**15300**	**17800**	**11900**	* **13100**	**10100**
0 m	* 8320	* 8320	* 18090	13330	* 13230	9000	10250	6710	7950	5270	* 6480	4660
0'	* **18300**	* **18300**	* **39800**	**29400**	* **29100**	**19800**	**22600**	**14700**	**17500**	**11600**	* **14200**	**10200**
-1.5 m	* 12420	* 12420	* 17980	13090	* 13400	8790	10100	6570	7880	5200	* 7330	4910
-5'	* **27300**	* **27300**	* **39600**	**28800**	* **29500**	**19300**	**22200**	**14400**	**17300**	**11400**	* **16100**	**10800**
-3.0 m	* 17840	* 17840	* 16780	13090	* 12760	8740	10020	6540			* 8040	5440
-10'	* **39300**	* **39300**	* **37000**	**28800**	* **28100**	**19200**	**22000**	**14400**			* **17700**	**11900**
-4.6 m	* 19190	* 19190	* 14360	13290	* 11040	8860	8190	6670			* 7850	6520
-15'	* **42300**	* **42300**	* **31600**	**29300**	* **24300**	**19500**	**18000**	**14700**			* **17300**	**14300**

*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

- 3 speed travel with auto shift
- Alternator, 90 Ampere, 24V
- AM/FM radio
- Arm holding valve
- Automatic engine warm-up system
- Automatic climate control/air conditioner/heater/defroster
- Auto idle
- Auto idle shut down, programmable
- Auxiliary input (3.5mm jack)
- Batteries, large capacity (2 x 12V)
- Battery master disconnect switch
- Boom holding valves
- Carrier rollers, (2 each side)
- Converter, (2) x 12V
- Counterweight, 6920 kg **15,255 lb**
- Dry type air cleaner, double element
- Electric horn
- Engine, Komatsu SAA6D114E-6
- Engine coolant to -25°C **-13°F**
- EMMS monitoring system
- Engine overheat prevention system
- Extended work equipment grease interval
- Fan guard structure
- Fuel priming pump
- Fuel system pre-filter 10 micron
- Grease sealed track chain
- High back air suspension seat, with heat
- Hydraulic cooling fan (reversible)
- Hydraulic track adjusters
- KOMTRAX® Level 5.0
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1
- Operator identification system
- Pattern change valve (ISO to BH control)
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame deck guard
- Revolving frame undercovers
- ROPS cab (ISO12117-2)
- Seat belt indicator
- Seat belt, retractable, 76mm **3"**
- Secondary engine shutoff switch
- Service valve
- Skylight
- Slip resistant foot plates
- Starter motor, 11.0kW/24V x 1
- Suction fan
- Thermal and fan guards
- Track frame swivel guard
- Track roller guards, center section
- Track rollers, 8 (each side)
- Track shoes, triple grouser, 800mm **31.5"**
- Travel alarm
- Two boom mode settings
- Working lights, 2 (boom and RH front)
- Working mode selection system

OPTIONAL EQUIPMENT

- Arms
  - 3185 mm **10'5"** arm assembly
  - 3185 mm **10'5"** arm assembly with piping
  - 4020 mm **13'2"** arm assembly
  - 4020 mm **13'2"** arm assembly
- Booms
  - 6500 mm **21'3"** HD boom assembly
  - 6500 mm **21'3"** HD boom assembly with piping
- Cab guards
  - Lower front window guard
  - Full front guard, OPG Level 1
  - Full front guard, OPG Level 2
  - Bolt-on top guard, OPG Level 2
- Counterweight, 7400 kg **16,315 lb** with revolving frame reinforcement for use with super long fronts only
- High pressure in-line hydraulic filters
- Hydraulic control unit, 1 actuator
- Proportional control handles
- Rain visor
- Revolving frame undercovers, heavy duty
- Revolving frame undercovers, severe duty
- Sun visor
- Straight travel pedal
- Track roller guards, full length
- Track shoes, triple grouser, 700 mm **28"**
- Track shoes, triple grouser, 850 mm **33.5"**
- Track shoes, single grouser, 800 mm **31.5"**
- Working lights, front, two additional cab mounted

ATTACHMENT OPTIONS

- Grade control systems
- Hydraulic couplers
- Hydraulic kits, field installed
- Load hold, anti-burst valves
- Material handler front
- Super long fronts
- PSM thumbs
- Rockland thumbs
- Vandalism protection guards with storage box

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

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

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