

KOMATSU®

PC360LCi-11

EPA Tier 4 Final Engine

Australia & New Zealand Specifications

HYDRAULIC EXCAVATOR



NET HORSEPOWER

192 kW / 257 HP @ 1950 rpm

OPERATING WEIGHT

35,950 – 37,440 kg

BUCKET CAPACITY

0.53 – 1.80 m³

intelligent
MACHINE CONTROL

PC360LCi

WALK-AROUND

Innovative

- intelligent Machine Control excavator features semi-automatic operation of work equipment for highly accurate work.
- Large 12.1" (30.7 cm) monitor neatly displays simultaneous information such as magnified fine grading view, 3D view, current as-built status, etc.

Integrated

- Complete factory installed integrated intelligent Machine Control system comes standard with stroke sensing hydraulic cylinders, Global Navigation Satellite System (GNSS) components and an Inertial Measurement Unit (IMU) sensor. All components are validated to Komatsu's rigid quality & durability standards.

Intelligent

- intelligent Machine Control excavator allows the operator to focus on moving material efficiently while semi-automatically tracing the target surface and limiting over-excavation.
- Facing angle compass, light bar and sound guidance aid in ease of operation and bucket positioning.



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Photos may include optional equipment.



MAKE EVERY PASS COUNT

Improve your efficiency – less time required to complete excavation to finish grade with intelligent Machine Control (see pg 5).

Semi-automatic operation – next generation technology goes beyond traditional machine guidance (indicate only) type systems.

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

Komatsu Variable Geometry Turbocharger (KVGIT) 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.

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

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

Large LCD colour machine monitor:

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

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

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



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
- 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.

Lockable single pole battery isolation 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.

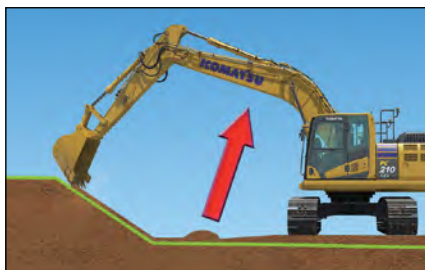
INTELLIGENT MACHINE CONTROL



intelligent Machine Control

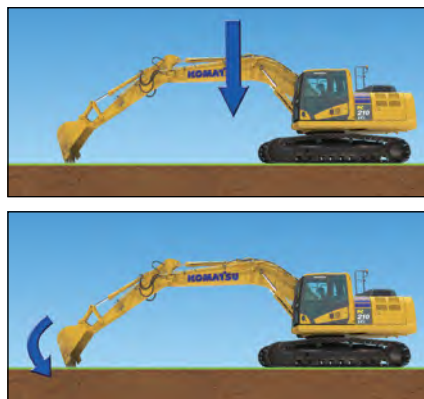
intelligent Machine Control is based on Komatsu's unique sensor package, including stroke sensing hydraulic cylinders, an IMU sensor, and GNSS antennas. It utilises 3D design data loaded in the control box to accurately check its position against the target.

If the bucket hits the target surface, it is semi-automatically limited to minimise over-excavation. If the operator turns off Auto mode, the machine can be operated with highly accurate, responsive machine guidance (indicate only).



• Auto grade assist

The operator moves the arm, the boom adjusts the bucket height automatically, tracing the target surface and minimising digging too deep. This allows the operator to perform bulk excavation without worrying about the design surface, and to perform fine digging by operating the arm lever only. The working range is expanded by holding the lever to move the boom downward.



• Auto stop control

During boom or bucket operation, the work equipment automatically stops when the bucket edge reaches the required grade, minimising over-excavation or damage to the design surface.



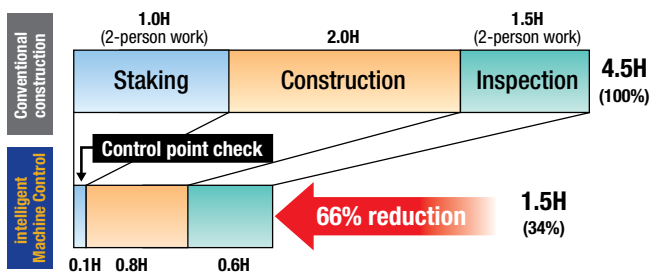
• Minimum distance control

Bucket control automatically selects point on the bucket closest to the target surface. Even if the machine is not facing a sloped surface at a right angle, it will still follow the target surface, minimising digging below it.

Drastically Improved Efficiency

Staking, surveying and final inspection which is usually done manually, can be reduced with the Intelligent Machine Control excavator by setting 3D design data on the control box. Also, use of the facing angle compass can minimise levelling work for the surface on which the machine sits. Even if the machine is inclined while working, the facing angle compass allows the operator to ensure that the machine is facing perpendicular to the target surface. The Intelligent Machine Control technology allows the operator to improve work efficiency (i.e. shorter construction time) while minimising over-excavating the target surface from rough digging to finish grading.

Comparison of construction time based on in-house text of excavation and grading slope surface



Comparison of Slope Shaping Work

Conventional construction

Shaping with reference to finishing stakes



Intelligent Machine Control

Reduces staking work and the number of assistant workers.



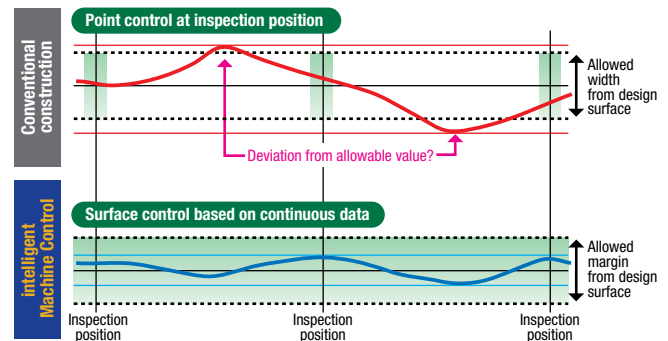
Higher Safety

By reducing manual staking, surveying and final inspection tasks, the Intelligent Machine Control excavator virtually eliminates the need for ground staff around the machine. GNSS antennas integrated in the handrails also removes the need to access the top of the counterweight.

Greater Precision & Work Accuracy

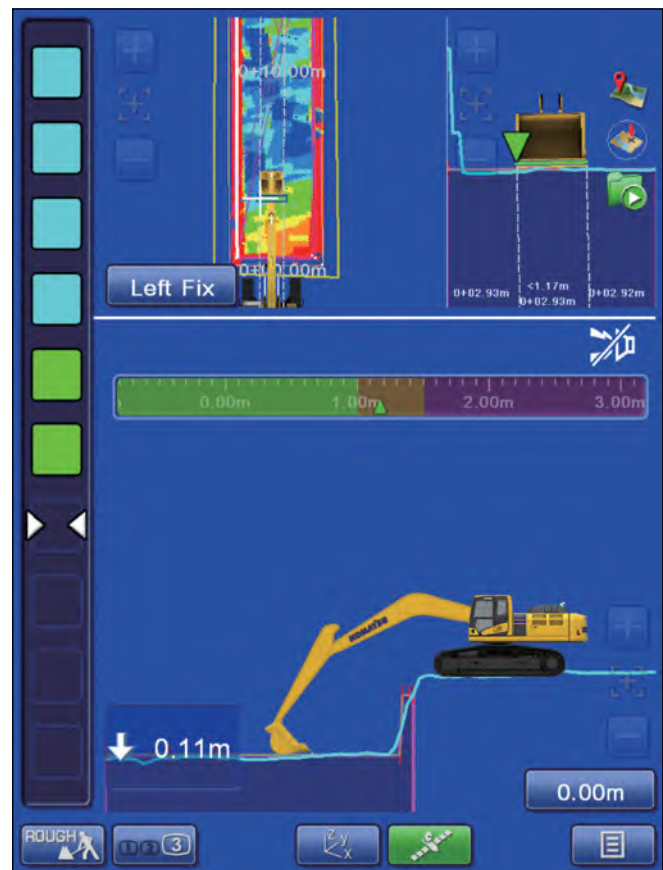
The bucket edge / tip is instantly displayed on the control box, eliminating the wait time for display on the monitor during construction. The large and easy-to-view control box displays information clearly, aiding in highly accurate work. With manual operation and conventional machine guidance, finish grade quality and excavating accurately depends heavily on the skill of the operator. With the Intelligent Machine Control excavator, the bucket is automatically limited to follow the target grade without over-excavating.

Relationship Between Finished Surface and Allowable Value

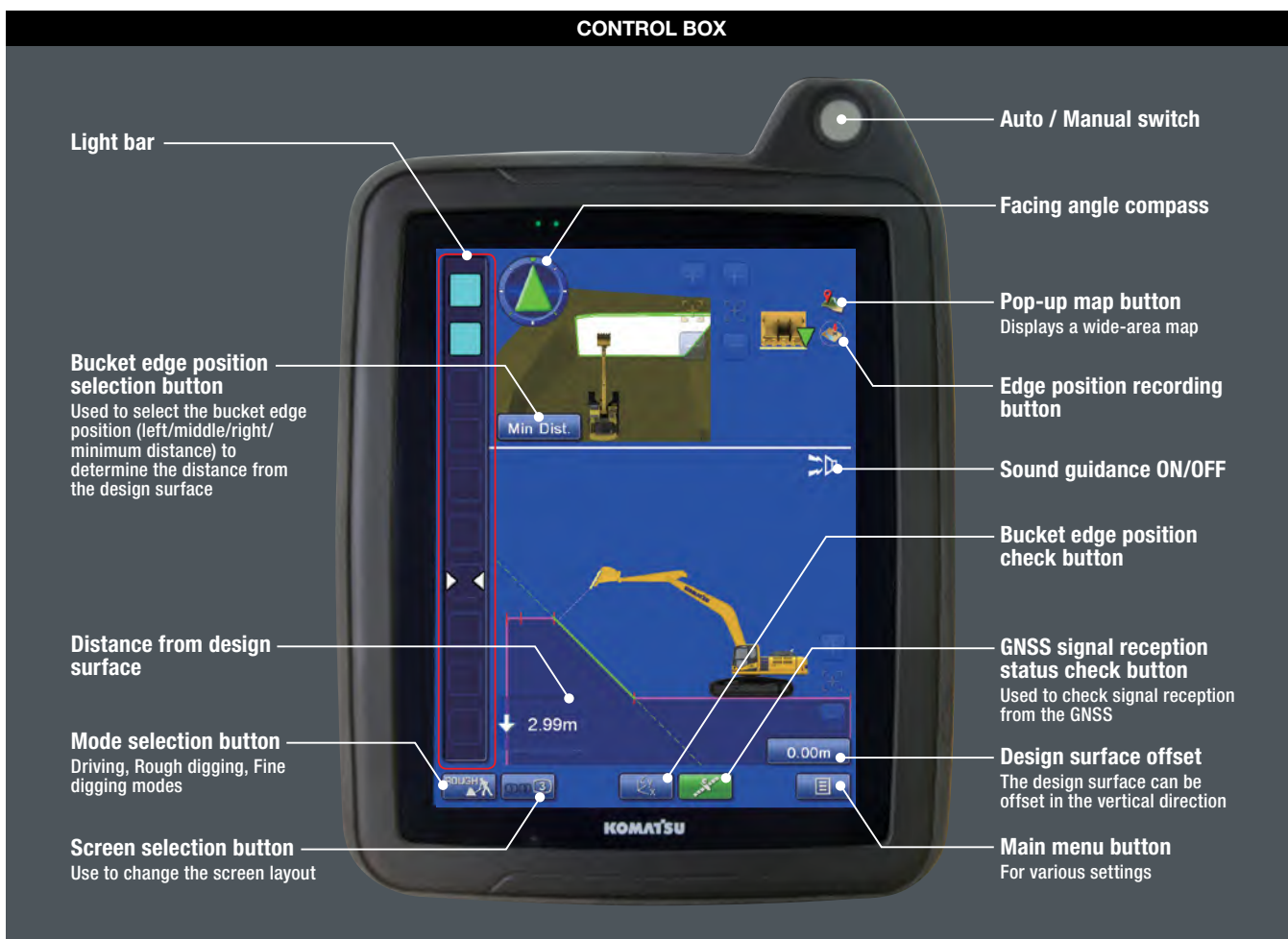


As-Built Surface Track Mapping

Operator can display and check the as-built status and find where to cut and fill.



INTELLIGENT MACHINE CONTROL



Control Box

The monitor of the Komatsu intelligent Machine Control (control box) uses a large 12.1" (30.7 cm) screen for visibility and ease of use. The simple screen layout displays the necessary information in an easily understood fashion. Touch screen icon interface instead of multi-step menu simplifies operation.

Realistic 3D display

The machine and design surfaces are shown in realistic 3D. The angle and magnification of the views can be changed, which allows the operator to select the optimum view depending on the work conditions.



Machine Navigation

Facing angle compass

The orientation and colour of the facing angle compass's arrow shows the operator the facing angle of the bucket edge relative to the target surface. This allows the bucket edge to be accurately positioned square with the target surface, which is useful when finishing slopes.



Bucket Edge Guidance with Eyesight and Sound Light bar

Colours show the bucket edge position relative to the target surface. Since the light bar is located on the left side of the screen, the bucket edge position can be viewed simply while operating, which increases the work efficiency.



Sound guidance

The operator can recognise the target surfaces not only by eyesight, but also by sound. Unique tones can be programmed for various bucket edge distances from the target surface.



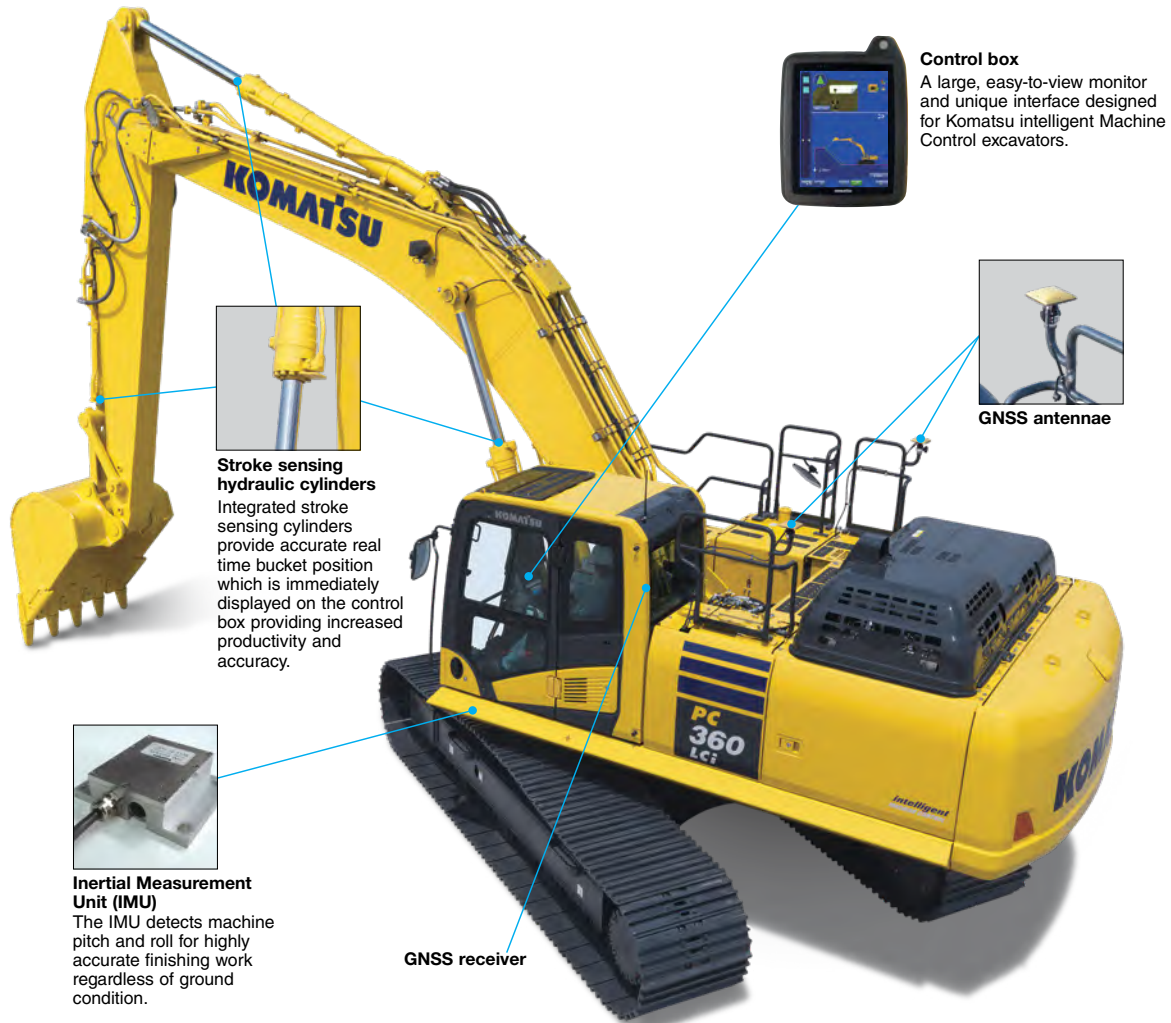
Enhanced operability of the machine control

Semi-auto/manual mode switching and design surface offset function can be operated with switches on the control levers.



Factory Installed Components

The machine control and guidance system on the Intelligent Machine Control excavator is fully factory integrated. Stroke sensing cylinders for the boom, arm and bucket, were newly developed by Komatsu for precise real time bucket edge positioning. An IMU (Inertial Measuring Unit) gives precise machine orientation and determines machine angle from gyro and accelerometer data. GNSS antennae are integrated into the handrails.



Komatsu Remote Support Centre

Remote assistance from Komatsu is available with the machine. This service enables transmission of design data from office to machine and enables personalised troubleshooting and training from afar via the internet.



PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

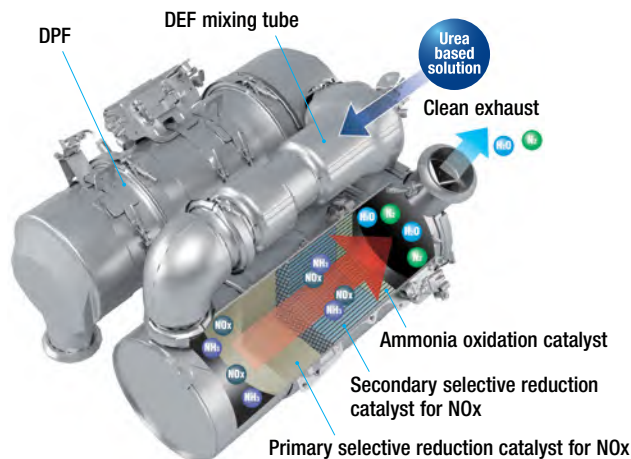
New Tier 4 Final Engine

The Komatsu SAA6D114E-6 engine is EPA Tier 4 Final emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces particulate matter (PM) and nitrogen oxides (NOx) by 90% when compared to Tier 3 levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancement in technology, providing high levels of performance and efficiency in virtually all applications.

Technologies Applied to New Engine

Heavy-duty aftertreatment system

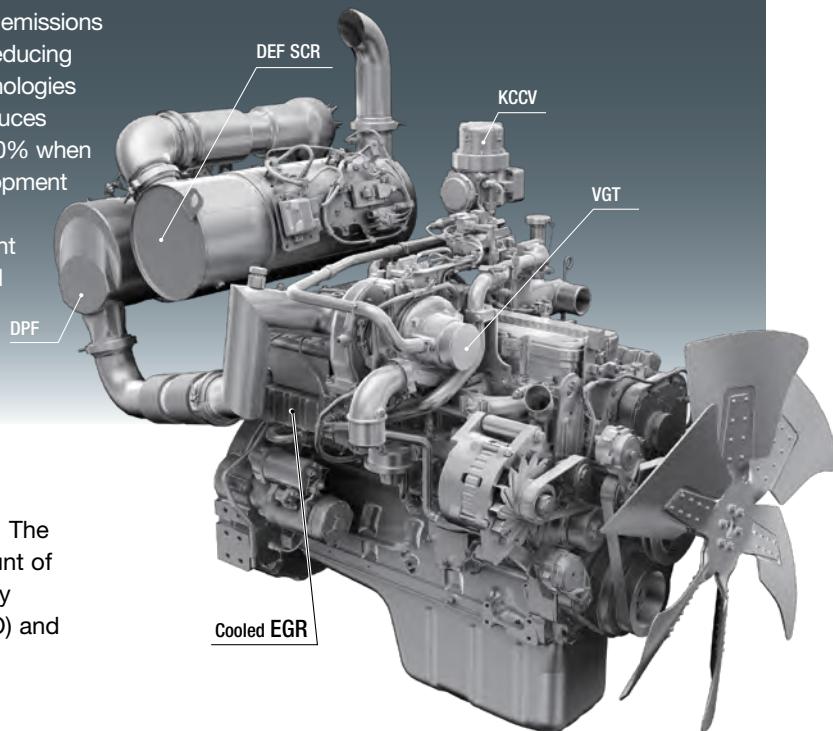
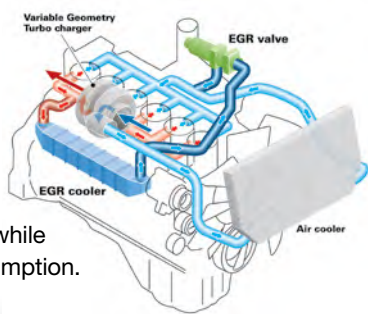
This new system combines a Diesel Particulate Filter (DPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapour (H2O) and nitrogen gas (N2).



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into the air intake and lowers combustion temperatures to reduce NOx emissions.

Furthermore, while EGR gas flow is increased, by incorporating a high-efficiency and compactly designed cooling system, the system achieves a dynamic reduction of NOx, while helping to reduce fuel consumption.

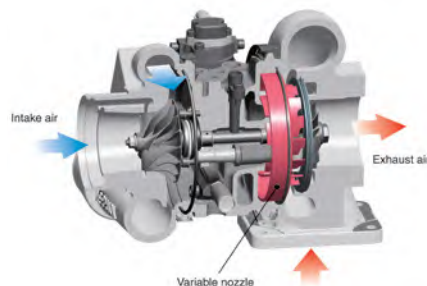


Advanced Electronic Control System

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.



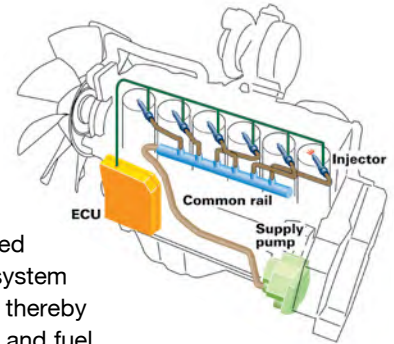
Komatsu Auto Idle Shutdown

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.



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 Computerised 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.



PERFORMANCE FEATURES

Reduced Fuel Consumption

The PC360LCi-11's new tier 4 final engine along with enhancements in the hydraulic system considerably decreases fuel consumption.

Fuel Consumption

Reduced by 11%

(vs PC350LC-8M0 Based on typical work pattern collected via KOMTRAX)

This fuel consumption data is the result compared actual measured value using the prototype machine. Actual fuel savings may vary depending on application and operating conditions.

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, 3200 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 maximises digging force for more effective excavating

Lifting mode

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



PC360LC-11 Shown.

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.



Efficient Hydraulic System

The PC360LCi-11 uses a Closed-centre Load Sensing System (CLSS) that improves fuel efficiency and provides quick response to the operator's demands. The PC360LCi-11 also incorporates 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.

Large Displacement High Efficiency Pump

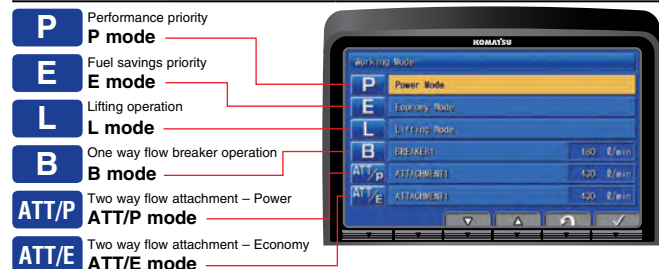
Large displacement hydraulic implement pumps provide high flow output at lower engine RPM as well as operation at the most efficient engine speed.



Working Mode Selection

The PC360LCi-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 PC360LCi-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.



WORKING ENVIRONMENT

PC360LC7-11





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

Pressurised cab

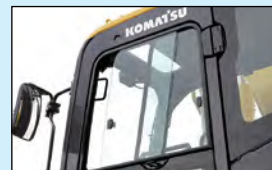
Auxiliary input jack

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

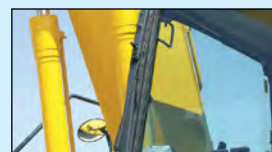
Sliding window glass (left side)



AM/FM stereo radio



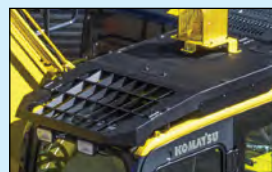
Remote intermittent wiper with windshield washer



Emergency stop & level indicator



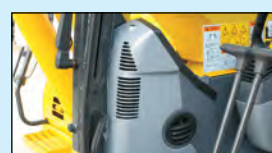
ISO Level 2 OPG



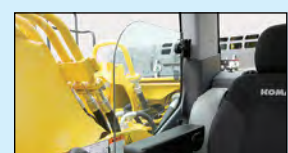
Magazine box & cup holder



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 colour 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

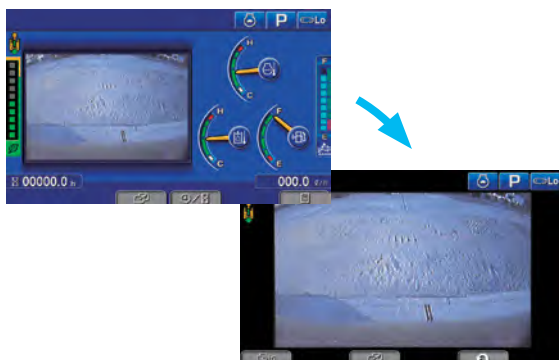
- | | |
|------------------------------------|-----------------------------|
| 1 Auto-decelerator | 8 Fuel gauge |
| 2 Working mode | 9 DEF level gauge |
| 3 Travel speed | 10 Service metre, clock |
| 4 Ecology gauge | 11 Fuel consumption gauge |
| 5 Camera display | 12 Guidance icon |
| 6 Engine coolant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

Basic operation switches

- | | |
|-------------------------|-------------------------|
| 1 Auto-decelerator | 4 Buzzer cancel |
| 2 Working mode selector | 5 Wiper |
| 3 Travel speed selector | 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.



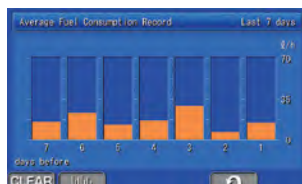
Ecology gauge Fuel consumption gauge
Ecology guidance

Operation record, fuel consumption history, and ecology guidance record

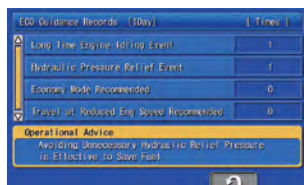
The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu, using a single touch, thus enabling the total fuel consumption to be reduced.



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 analyse operation status by operator as well as by machine.



MAINTENANCE FEATURES

PC360LCI-11



PC360LC-11 Shown.

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.



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 isolation switch

A standard battery isolation 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

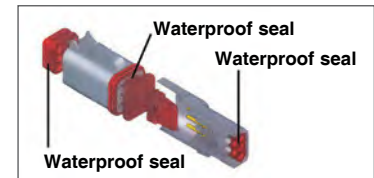
Sloping track frame

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 Stationary 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.



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

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

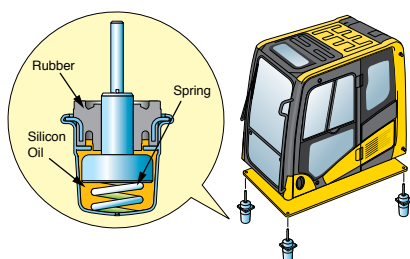


Rear view image on monitor



Low Vibration with Viscous Cab Mounts

The PC360LCi-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.



Seat belt caution indicator



Lock lever

Retractable seat belt

Tempered & tinted glass

Large cab entrance step

Left and right side hand rails

Large mirrors

Slip-resistant plates

Thermal and fan guards

Pump/engine compartment partition

Travel alarm



KALSS AUSTRALIAN STANDARD SPECIFICATION



Rotating Amber Beacon

Fitted with factory guard.



Level Indicator, Overload Alarm & Anti-Burst Valves

Enable safety and compliance when lifting suspended loads.



Additional Lighting

Extra lighting on cab and counterweight for improved visibility.



Proportional Hand Controls

Enables proportional hand control of attachment speed and includes switches for offset and auto on/off function.



iMC Canvas Seat Cover

Removable, waterproof and wear resistant cover that protects factory seat.

1.5kg Fire Extinguisher

Located behind operator seat for easy access.

Factory Fitted Quick Hitch and Hammer Piping

Enables use with a greater variety of attachments. Also fitted with provision for tilt circuit including valve.

Bump Rails

For upper protection when slewing.

PC360LC-11 Shown.

Revolving Frame Under Covers

Protects and prevents ingress of material into engine bay.



UHF Radio

Designed to ACMA standards and operational over 80 channels.



Battery Isolation

Single pole, lockable Bosch-type battery isolation.



E-Stops

Allow compliance to site safety requirements.



Bolt-on Top Guard

OPG level 2 (ISO 10262) for falling object protection.

Photos may include optional equipment.

SPECIFICATIONS



ENGINE

Model.....Komatsu SAA6D114E-6*
 Type.....Water-cooled, 4-cycle, direct injection
 Aspiration.....Variable geometry turbocharged, aftercooled, cooled 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-centre system with load sensing valve and pressure compensated valves
 Number of selectable working modes.....6
 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.....**1-140 mm x 1285 mm x 100 mm** 5.5" x 50.6" x 3.9"



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

Centre 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** one-piece HD boom, **3200 mm** HD arm, rated capacity of lubricants, coolant, full fuel tank, operator, standard equipment, KGA dual lock quick hitch, and SAE heaped **1.80 m³** bucket.

Triple-Grouser Shoes	Operating Weight	Ground Pressure
600 mm	36,490 kg	0.69 kg/cm²
700 mm	36,870 kg	0.60 kg/cm²
850 mm	37,440 kg	0.50 kg/cm²

Component Weights

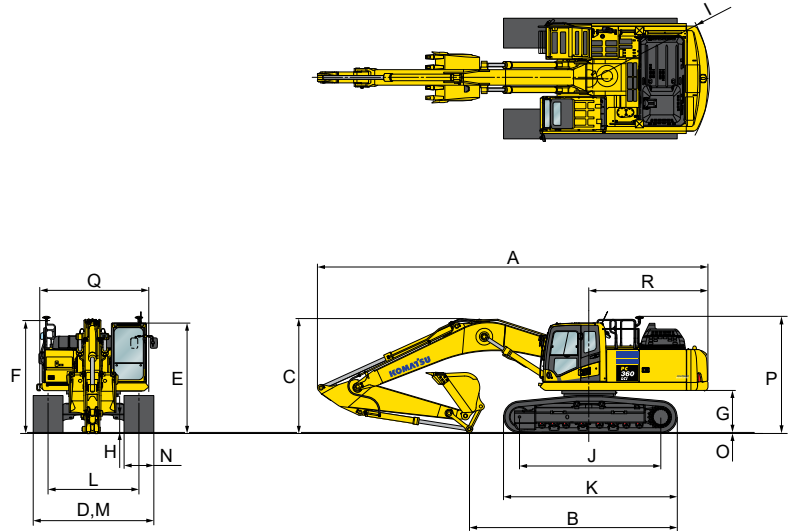
Arm including bucket cylinder and linkage:
 3200 mm HD arm assembly.....**1761 kg** 3,882 lb
 One piece HD boom including arm cylinder:
 6500 mm boom assembly.....**3135 kg** 6,912 lb
 Boom cylinders x 2.....**259 kg** 571 lb
 Counterweight.....**6920 kg** 15,255 lb



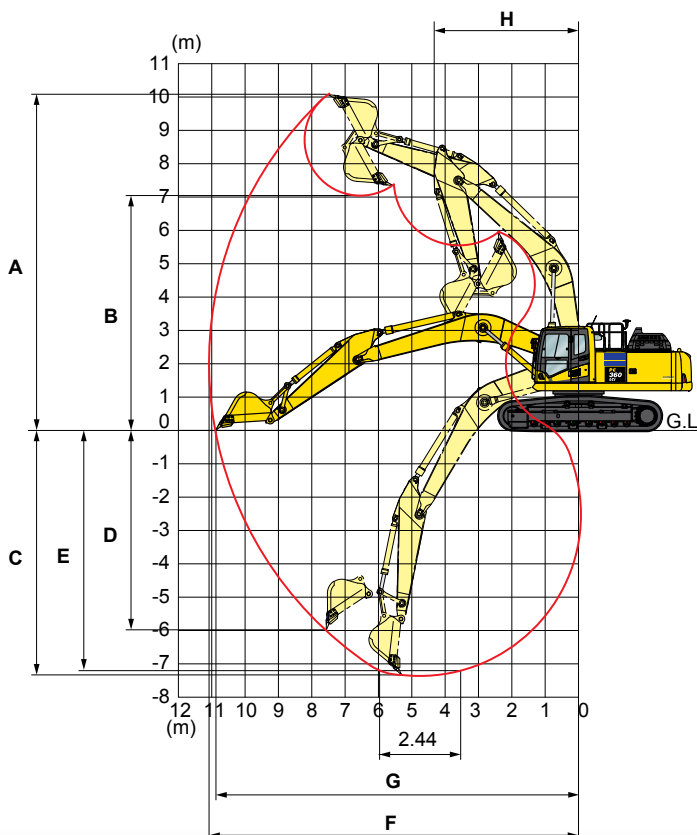
DIMENSIONS

	Arm Length	3200 mm
A	Overall length	11145 mm
B	Length on ground (transport)	5935 mm
C	Overall height (to top of boom)*	3285 mm
D	Overall width	3190 mm
E	Overall height (to top of cab)*	3160 mm
F	Overall height (to top of handrail)*	3255 mm
G	Ground clearance, counterweight	1185 mm
H	Ground clearance, minimum	498 mm
I	Tail swing radius	3445 mm
J	Track length on ground	4030 mm
K	Track length	4955 mm
L	Track gauge	2590 mm
M	Width of crawler	3190 mm
N	Shoe width	600 mm
O	Grouser height	36 mm
P	Machine height to top of engine cover	3135 mm
Q	Machine upper width **	3145 mm
R	Distance, swing centre to rear end	3405 mm

* : Including grouser height ** : Including handrail



WORKING RANGE

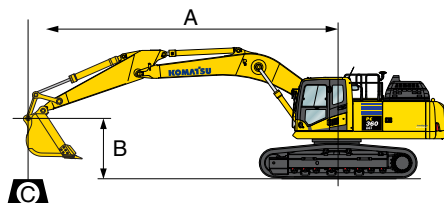


	Arm Length	3200 mm
A	Max. digging height	10210 mm
B	Max. dumping height	7110 mm
C	Max. digging depth	7380 mm
D	Max. vertical wall digging depth	6480 mm
E	Max. digging depth for 8' level bottom	7180 mm
F	Max. digging reach	11100 mm
G	Max. digging reach at ground level	10920 mm
H	Min. swing radius	4310 mm
SAE rating	Bucket digging force at power max.	200 kN 20400 kg
	Arm crowd force at power max.	165 kN 16800 kg
ISO rating	Bucket digging force at power max.	228 kN 23200 kg
	Arm crowd force at power max.	171 kN 17400 kg

LIFT CAPACITIES



LIFTING CAPACITY WITH LIFTING MODE



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

Conditions :

- Boom length: 6500 mm
- Arm length: 3200 mm
- Shoes: 600 mm triple grouser
- Bucket: 1014 kg

Unit: kg

B A	3.0 m		4.5 m		6.0 m		7.5 m		☉ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m							*7150	6850	*5200	5150
4.5 m					*9050	*9050	*7700	6600	*5350	4500
3.0 m			*14800	14100	*10500	9000	*8500	6300	*5650	4150
1.5 m			*16450	13050	*11800	8500	*9150	6000	*6200	4000
0.0 m	*8100	*8100	*17250	12500	*12400	8100	9400	5800	6650	4050
-1.5 m	*9550	*9550	*16750	12400	*12350	7950	9300	5650	7150	4350
-3.0 m	*17650	*17650	*15250	12550	*11500	7950	*8750	5650	*7550	5000
-4.5 m	*16250	*16250	*12600	*12600	*9550	8150			*7350	6450
-6.0 m									*6100	*6100

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



PC360LC-11 Shown.



STANDARD EQUIPMENT

- 3 speed travel with auto shift
- Alternator, 90 A, 24V
- AM/FM radio
- Arm, 3200 mm
- Auto idle
- Auto idle shut down
- Automatic air conditioner, large capacity
- Automatic engine warm-up system
- Auxiliary input (3.5 mm jack)
- Batteries, large capacity
- Battery isolation switch, lockable
- Boom, 6500 mm
- Boom and arm burst valve protection
- Bump rails
- Cab guards
 - Integrated top guard, OPG Level 1
 - Bolt on top guard, OPG Level 2
- Canvas seat cover
- Carrier rollers, (2 each side)
- Converter, (2) x 12 V
- Counterweight, 6920 kg
- Dry type air cleaner, double element
- Dual flow hammer piping
- Electric horn
- Emergency stops (3)
- EMMS monitoring system
- Engine, Komatsu SAA6D114E-6
- Engine overheat prevention system
- Fan guard structure
- Fire Extinguisher, 1.5kg
- Fuel system pre-filter 10 micron
- Grease sealed track chain
- High back air suspension seat, with heat
- Hydraulic track adjusters
- Hydraumind closed centre load sensing system
- KOMTRAX Level 5.0
- Large LCD colour monitor, high resolution
- Level indicator
- Lock lever
- Lock lever, auto lock
- Mirrors (LH, RH & sidewise)
- Operator identification system
- Overload alarm
- Power maximising system
- PPC hydraulic control system
- Proportional control handles
- Pump/engine room partition cover
- Quick hitch piping with safety switch and alarm
- Radiator and oil cooler dustproof net
- Radio, UHF
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame undercovers, heavy duty
- ROPS cab (ISO 12117-2)
- Rotating beacon with guard
- Seat belt indicator
- Seat belt, retractable, 78 mm
- Secondary engine shutdown switch
- Side by side coolers
- Slip resistant foot plates
- Starter motor, 11 kW/24 V x 1
- Suction fan
- Thermal and fan guards
- Track roller guides, 3 each side
- Track rollers, 8 each side
- Track shoes, triple grouser, 600 mm
- Travel alarm
- Two boom mode setting
- Working lights
 - 1 x boom
 - 1 x RH
 - 3 x cab
 - 1 x counterweight
- Working mode selection system



INTELLIGENT MACHINE CONTROL EQUIPMENT

- Standard factory installed integrated 3D GNSS intelligent machine control system
- Automatic stop control, boom and bucket
- Automatic grade assist
- Topcon Sitelink ready
- Modem/network, remote support ready
- Tokara ready modem
- UHF & network antenna kit
- Receiver, UHF Digital II



OPTIONAL EQUIPMENT

- Battery isolation switch, dual pole, lockable
- Cab guard
 - Full front guard, OPG Level 2
- Fire extinguisher, 4.5 kg
- Fire extinguisher, 9 kg
- Fuel cap vandal guard
- Jump start receptacle
- Radio, multimedia system
- Starter circuit isolation, lockable
- Track shoes, triple grouser, 850 mm
- Window tinting



ATTACHMENT OPTIONS

- Bucket, general purpose, KGA 650 mm, 0.53 m³
- Bucket, general purpose, KGA 1300 mm, 1.35 m³
- Bucket, general purpose, KGA 1500 mm, 1.61 m³
- Bucket, general purpose, KGA 1700 mm, 1.80 m³
- Bucket, slope finishing, KGA 2200 mm, 2.20 m³
- Quick hitch, KGA, dual lock
- Ripper, KGA, single tyne

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

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