# KOMATSU

# PC360LC-11/PC360LCi-11

Hydraulic excavator



## **Net horsepower**

257 HP (192 kW) @ 1,950 rpm

## **Operating weight**

78,645-80,547 lbs. (35,627-36,535 kg)

## **Bucket capacity**

0.89-2.56 yd3 (0.68-1.96 m3)



# Give your operators the power of advanced automation



## **Innovation**



## **Performance**





# Command the latest technology with iMC 2.0

Empower your operators to work more efficiently than they ever could with conventional aftermarket machine guidance or manual operation. The PC360LCi-11 with intelligent Machine Control (iMC) offers the ability to work smart, from rough digging to finish grading. Incorporating a host of advanced, proprietary machine technology, iMC puts sophisticated, productivity-enhancing automation and cutting-edge job site design at your command.

- Semi-automatic for trenching, slope work and high -production applications
- Minimize over-excavation and make every pass count

# Perform finish grading using only arm input

Your operators can finish grade quickly and accurately with a bucket angle hold control that automatically holds the bucket angle to the design surface during arm operation, enabling operators to perform finish grading using only arm input.

#### Auto tilt bucket control

Auto tilt bucket control assists the operator in aligning the bucket parallel with the slope so that finish grading can be accomplished without having to align the machine with the target surface.

## **Quick specs**

- Weight: 78,645-80,547 lbs. (35,627-36,535 kg)
- Horsepower: 257 HP @ 1,950 rpm (192 kW @ 1,950 rpm)
- Bucket capacity: 0.89-2.56 yd3 (0.68-1.96 m3)







## intelligent Machine Control (iMC)



## Make every pass count

## Improve your efficiency

iMC means fast excavation to finish grade.

## Semi-automatic operation

New features such as bucket angle hold control provide high levels of accuracy and comfort.



### **Innovative**

- Achieve highly accurate results with the iMC excavator's semi-automatic operation of work equipment
- Compact 10.4-in (26.4-cm) iMC monitor with increased memory capacity, processing speed and pinch-to-zoom capability

## Integrated

- Operators can focus on moving material efficiently with a factory-installed 3D and guidance system designed for the machine – no more "bolt-on" components. The fully integrated package comes with stroke-sensing hydraulic cylinders, a multiple global navigation satellite system (multi-GNSS) and an inertial measurement unit (IMU) sensor
- Advance job site flexibility with multi-band UHF/915SS radio
- Fast, reliable job site connectivity with 4G LTE connectivity

## Intelligent

- Operators can minimize over-excavation and move material efficiently by semi-automatically tracing the target surface.
- Excellent ease of operation and bucket positioning with intelligent facing compass, light bar and sound guidance
- Outstanding efficiency, productivity and ease of operation with bucket angle hold control





Photo may include optional equipment.

## intelligent Machine Control

Over-excavation and damage to the design surface are minimized with Komatsu's unique sensor package, which includes stroke-sensing hydraulic cylinders, an IMU sensor and GNSS antennas. It utilizes 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 minimize over-excavation.

If the operator turns off auto mode, the machine can be operated with highly accurate, responsive machine guidance, with the machine only providing indication guidance.



#### Auto grade assist

With the auto grade assist function, the operator moves the arm and the boom adjusts the bucket height automatically, tracing the target surface and minimizing digging too deep. This allows the operator to perform rough digging without worrying about the design surface and to perform fine digging by operating the arm lever only. The working range is extended by holding the lever to move the boom downward.





### Auto stop control

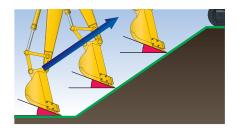
During boom or bucket operation, the work equipment automatically stops when the bucket edge reaches the design surface, thus minimizing damage to the design surface.



#### Minimum distance control

The intelligent Machine Control excavator controls the bucket by automatically selecting the point on the bucket closest to the target surface. Should the machine not be facing a sloped surface at a right angle, it will still follow the target surface and minimize digging below it.

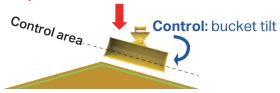
## intelligent Machine Control (iMC)



## Bucket angle hold control

Operator sets desired bucket angle and the system automatically maintains bucket angle throughout the grading pass. Angle hold control increases ease of operation and can improve final grading accuracy.

## **Operation:** arm in or boom down



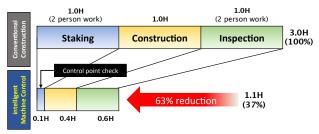
#### Auto tilt control

Automatically tilts bucket to design surface and returns it to horizontal to unload. Using auto tilt control with the existing minimum distance control and auto grade assist makes complex grading quicker and easier.

## Improved construction efficiency

Time spent on staking, survey and final inspection (which are 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 minimize leveling 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 minimizing over-excavating the target surface from rough digging to finish grading.

# Comparison of construction time based on in-house test of excavation and grading slope surface\*



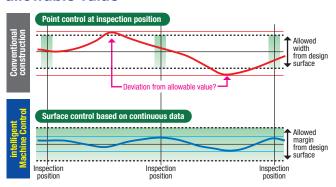
- \* When used by a qualified iMC operator, the Komatsu intelligent Machine Control system increases construction efficiency.
- \* The above data does not include design time or working data creation time.

  The above data is based on in-house construction tests, performed by Komatsu, whose conditions may differ from actual construction.

## Improved work accuracy

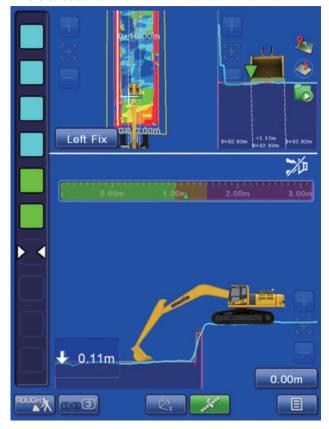
The bucket edge/tip position is instantly displayed on the control box, eliminating the wait time for display on the monitor during construction. The large and easy-to-view control box displays information clearly, aiding in highly accurate work. With manual operation and conventional machine guidance, finish grade quality and excavation accuracy depend 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 mapping

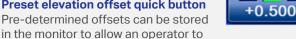
Operator can display and check the as-built status and find where to cut and fill.

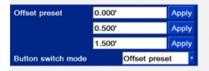




#### Preset elevation offset quick button

easily switch between preset grades.





### Quick bucket swap button

Allows users to quickly swap between various buckets without having to enter main menu. This lessens the time a user takes to change out a bucket on the monitor.



## **Machine navigation**

#### Facing angle compass

The orientation and color 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.



## **Enhanced operability of the machine control**

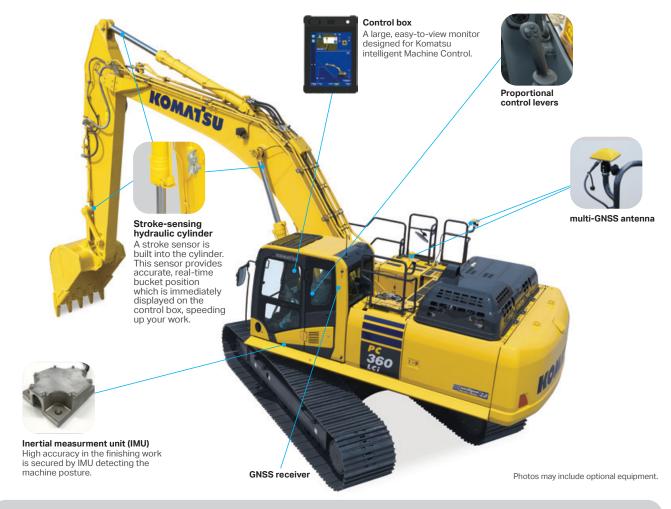
Semi-auto/manual mode switching and design surface offset function can be operated with switches on the control levers.





## intelligent Machine Control (iMC)

## **Factory-installed Komatsu intelligent Machine Control components**



# **SMART**CONSTRUCTION

## Remote



Capable of connecting to mixed-fleet customers.

# Customers can quickly send design files to intelligent machines and provide support to operators

Users can log in to Smart Construction Remote to locate machines by job site to upload or download design files at any time.



View the machine monitor to troubleshoot or add new files in the machine without the time requirements of traditional methods.



SMARTCONSTRUCTION Remains

© ©

View or navigate machine monitor live with operator.



## **Performance features**

## **High-rigidity work equipment**

Designed for long-term durability and reliability, with booms and arms 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. A standard HD boom design provides increased strength and reliability.





## Working mode selection

The PC360LC/LCi-11 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow and system pressure to the application. The PC360LC/LCi-11 features an attachment mode (ATT/E) that allows operators to run attachments while in economy mode.

| Working<br>mode | Application                   | Advantage   |
|-----------------|-------------------------------|---|
| Р               | Power mode                    | Maximum production/power     Fast cycle times                 |
| E               | Economy<br>mode               | Good cycle times     Better fuel economy                      |
| L               | Lifting mode                  | Increases hydraulic pressure                                  |
| В               | Breaker mode                  | Optimum engine rpm,<br>hydraulic flow                         |
| ATT/P           | Attachment<br>Power mode      | Optimum engine rpm,<br>hydraulic flow, 2-way     Power mode   |
| ATT/E           | Attachment<br>economy<br>mode | Optimum engine rpm,<br>hydraulic flow, 2-way     Economy mode |



## Increased work efficiency

Functional digging force can be increased with use of the one-touch Power Max function (up to 8.5 seconds of operation).

#### Maximum arm crowd force (ISO)

16.3 t (160 kN) 17.4 t (171 kN) 70/0 UP

#### Maximum bucket digging force (ISO)

21.7 t (213 kN) 23.2 t (228 kN) **70/0** UF

Measured with Power Max function, 125 in (3,185 mm) arm and ISO rating

# Komatsu-integrated attachment control (optional)

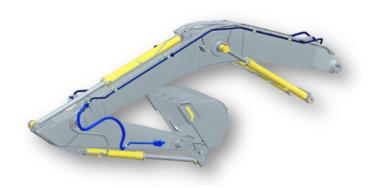
Factory-integrated auxiliary hydraulic attachment control with programmable pressure and flow settings for up to 15 different tools. Settings can be easily changed from the machine monitor, optimizing attachment control and performance. Proportional joysticks help expand versatility by giving the operator precise hydraulic attachment control.

\*Not available on PC360LC-11



## +1 Attachment piping (optional)

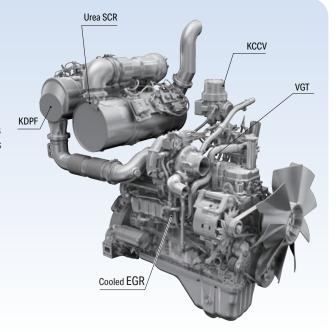
Factory-engineered auxiliary attachment circuit piping is designed and sized to work efficiently with the excavator's main hydraulic system. Constructed of large-diameter steel tubing with four bolt flange connections and robust mounting points, the auxiliary hydraulic piping is designed for durable, reliable use.



# Komatsu innovative engine technology

## **Latest Tier 4 Final engine**

The Komatsu SAA6D114E-6 engine is EPA Tier 4 Final emissions certified and provides exceptional performance and efficiency. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces nitrogenoxides (NOx) by more than 80% when compared to Tier 4 interim levels. Through the in-house development and prodution of engines, electronics and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.



## **Working environment**



Photo may include optional equipment. PC210LCi-11 shown.

## **Comfortable working space**

## Wide, spacious cabin

The cabin includes a seat with reclining backrests and a pull-up lever to easily adjust seat height and tilt angle. You can set the appropriate operational posture of the armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

## **Armrest 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)



Remote intermittent wiper with windshield washer





Defroster



ISO/BH pattern change valve



Facy-to-access AC controls

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Magazine box and cup holder



One-touch storable front window lower glass



## **General features**

## **ROPS** cab structure

#### 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 requiremets for level 1 Operator Protective Guard (OPG) and top guard (ISO 10262).



## **Rearview monitoring system**

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



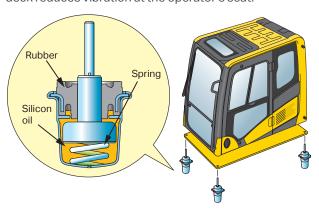


Rearview image on monitor



## Low vibration with viscous cab mounts

The PC360LC/LCi-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 shutdown switch at base of seat to shutdown the engine



Left and right side handrails



Seat belt caution indicator



Lock lever

Seat belt retractable

Tempered and tinted glass

Large mirrors

Slip-resistant plates

Thermal and fan guards

Pump/engine room partition

Travel alarm

Large cab entrance step

Large, easy-open hood for engine and aftertreatment access



## **Maintenance features**

## **Centralized engine check points**

Locations of the engine oil check and filters are integrated into one side to allow easy maintenance and service.



Engine oil filter



High efficiency fuel filter

Fuel pre-filter (with water separator)

Easy cleaning of cooling unit

Fuel pre-filter with water separator

**High-efficiency primary fuel filter** 

Easy access to engine oil filter, engine oil, drain valve, fuel drain valve and water separator drain valve

PC360LC-11 shown.

## **Tie-off points** standard (ISO 14567)

When working in elevated positions on the boom and track frame tie-off points provide anchors for technician harness lanyards.



Easy-to-access air conditioner filter

Washable cab floormat

**Sloping track frame** 

**Utility space** 



## 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)

## Large-capacity air cleaner

Comparable to that of larger machines, the larger air cleaner can extend air cleaner life during long-term operation, helping prevent early clogging and resulting power loss. A radial seal design improves reliability.

## 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.



| KOMATSU SA |          |        |  |
|--|----------|--------|--|
| Mointenance                                    | Interval | Remain |  |
| Air Cleaner Cleaning / Change                  | -        |        |  |
| O Engine Cil Cherry                            |          |        |  |
| @ Region Cil Filter George                     |          |        |  |
| frei Sin Filter Steven                         |          |        |  |
| Tool Fre Filter Garge                          |          |        |  |
| 0 0 0 A  | 1        | 1      |  |
| *  | - T      |        |  |

#### 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





## 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.



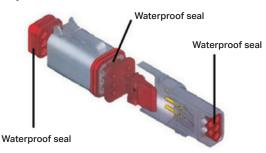


DEF level gauge

DEF low-level guidance

## **DT-type connectors**

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



## Komatsu helps you bring it all together

## Get the most out of your fleet on My Komatsu

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

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



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



#### Data

Telematics data is generated by on-machine technology.



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





#### Connection

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



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



# Connect your machines to Smart Construction to optimize your job sites

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



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

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



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

komatsu.com/smart-construction

# Komatsu maintenance and repair programs

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

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



#### **Komatsu Care Complimentary**

Complimentary maintenance

Our complimentary scheduled maintenance program for the first three years or 2,000 hours, whichever occurs first.

#### **Komatsu Care Plus**

Extended maintenance

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

#### Komatsu Care Plus II

Extended maintenance and repair

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

#### Komatsu Care Plus III

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

#### Komatsu Care Advantage Warranty

Extended warranty

Protect your equipment in the event a covered component fails due to a defect in material or workmanship. Repairs are performed by Komatsutrained experts using Komatsu genuine parts.

komatsu.com/maintenance-repair

## **Komatsu Financial**

Financial services built for your business success. komatsu.com/financing

## **Komatsu Genuine Parts**

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

komatsu.com/parts

## Komatsu training

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

komatsu.com/training



# **General specification**

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| =119.110                              |  |                    |  |
|---------------------------------------|--|--------------------|--|
| Model                                 | Komatsu SAA6D114E-6*   |                    |  |
| Туре                                  | Water-cooled, 4-cycle, direct injection                            |                    |  |
| Aspiration                            | Variable Geometry Turbocharger with air-to-air aftercooler and EGR |                    |  |
| Number of cylinders                   |  | 6                  |  |
| Bore x stroke                         | 114 mm x 144.5 mm 4.49"x 5.69"                                     |                    |  |
| Piston displacement                   | 8.85 L 540 in <sup>3</sup>   |                    |  |
| Horsepower                            |  |                    |  |
| SAE J1995                             | Gross  | 202 kW 271 HP      |  |
| ISO 9249 / SAE J1349                  | Net  | 192 kW 257 HP      |  |
|                                       | Rated rpm  | 1,950              |  |
| Fan drive method for radiator cooling |  | Mechanical         |  |
| Governor                              | All-speed c  | ontrol, electronic |  |
| *EDA T: 4 E: 1 : - : : : : :          |  |                    |  |

<sup>\*</sup>EPA Tier 4 Final emissions certified

#### **Hydraulics**

| ,  |  |   |  |
|--|--|---|--|
| Туре   | HydrauMind (Hydraulic Mechanical<br>Intelligence) system, closed-center system with<br>load sensing valve and pressure compensated<br>valves |   |  |
| Number of selectable working modes                                     | 6  |   |  |
| Main pump  |  |   |  |
| Type Pumps for Maximum flow Supply for control circuit                 | Variable displacement axial piston type<br>Boom, arm, bucket, swing, and travel circuits<br>535 L/min 141.3 gal/min<br>Self-reducing valve   |   |  |
| Hydraulic motors   |  |   |  |
| Travel<br>Swing  | 2 x axial piston motors with parking brake 1 x axial piston motor with swing holding brake   |   |  |
| Relief valve setting   |  |   |  |
| Implement circuits<br>Travel circuit<br>Swing circuit<br>Pilot circuit | 37.3 MPa<br>37.3 MPa<br>27.9 MPa<br>3.2 MPa  | 380 kg/cm <sup>2</sup><br>380 kg/cm <sup>2</sup><br>285 kg/cm <sup>2</sup><br>33 kg/cm <sup>2</sup> | 5,400 psi<br>5,400 psi<br>4,050 psi<br>470 psi |
| Hydraulic cylinders  |  |   |  |

## 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 v 100F mm v 100 mm | E E" v EO C" v O O" |  |  |

### **Drives and brakes**

| Steering control     |      | Two levers with pedals       |
|----------------------|------|------------------------------|
| Drive method         |      | Hydrostatic                  |
| Maximum drawbar pull |      | 290 kN 29,570 kg 65,191 lbs. |
| Gradeability         |      | 70%, 35°                     |
| Maximum travel speed |      |                              |
|                      | 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

| Drive method             | 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             | 11,386 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 and lubricant capacity (refilling)

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

## **Sound performance**

| Exterior – ISO 6395 | 103 dB(A) |
|---------------------|-----------|
| Operator – ISO 6396 | 71dB(A)   |

### Operating weight (approximate)\*

Operating weight includes 6,500 mm 21'3" one-piece boom, 3,185 mm 10'5" arm, SAE heaped 1.96 m³  $2.56\,yd^3$  bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

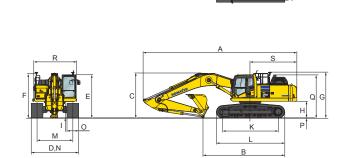
| Triple-grouser shoes | Operating weight | Ground pressure<br>ISO 16754 |
|----------------------|------------------|------------------------------|
| 700 mm               | 35,748 kg        | 0.59 kg/cm²                  |
| 28"                  | 78,645 lbs.      | 8.34 psi                     |
| 800 mm               | 36,129 kg        | 0.52 kg/cm <sup>2</sup>      |
| 31.5"                | 79,483 lbs.      | 7.38 psi                     |
| 850 mm               | 36,509 kg        | 0.50 kg/cm <sup>2</sup>      |
| 33.5"                | 80,320 lbs.      | 7.02 psi                     |

<sup>\*</sup>See equipment page for option availability.

| Component weights  |  |
|--|--|
| Arm including bucket cylinder and linkage                  |  |
| 3,185 mm 10'5" arm assembly<br>4,020 mm 13'2" arm assembly | 1,761 kg 3,882 lbs.<br>1,988 kg 4,383 lbs. |
| One piece HD boom including arm cylinder                   |  |
| 6,500 mm 21'3" boom assembly                               | 3,135 kg 6,912 lbs.                        |
| Boom cylinders x 2   | 259 kg 571 lbs.                            |
| Counterweight  | 6,920 kg 15,255 lbs.                       |
| 1.96 m³ 2.56 yd³ bucket - 54" width                        | 1,554 kg 3,425 lbs.                        |

#### **Dimensions**

|   | IIICII3IOII3                  |                   |           |        |
|---|-------------------------------|-------------------|-----------|--------|
|   | Arm Length                    |                   | 3,185 mm  | 10'5"  |
| Α | Overall length                |                   | 11,145 mm | 36'7"  |
| В | Length on ground (transpor    | rt)               | 5,935 mm  | 19'6"  |
| С | Overall height (to top of boo | om)*              | 3,285 mm  | 10'9"  |
| D | Overall width                 |                   | 3,440 mm  | 11'3"  |
| Е | Overall height (to top of cab | ))*               | 3,160 mm  | 10'4"  |
| F | Overall height (to top of har | ndrail)*          | 3,255 mm  | 10'8"  |
| G | Overall height (to top of GN  | SS antenna)*      | 3,330 mm  | 10'11" |
| Н | Ground clearance, counter     | weight            | 1,185 mm  | 3'11"  |
| Τ | Ground clearance, minimur     | n                 | 498 mm    | 1'8"   |
| J | Tail swing radius             |                   | 3,445 mm  | 11'4"  |
| K | Track length on ground        |                   | 4,030 mm  | 13'3"  |
| L | Track length                  |                   | 4,955 mm  | 16'3"  |
| M | Track gauge                   |                   | 2,590 mm  | 8'6"   |
|   |                               | 700 mm 28" shoe   | 3,290 mm  | 10'7"  |
| N | Width of crawler              | 800 mm 31.5" shoe | 3,390 mm  | 11'1"  |
|   |                               | 850 mm 33.5" shoe | 3,440 mm  | 11'3"  |
| 0 | Shoe width                    |                   | 850 mm    | 33.5"  |
| Р | Grouser height                |                   | 36 mm     | 1.4"   |
| Q | Machine height to top of en   | gine cover        | 3,135 mm  | 10'3"  |
| R | Machine upper width**         |                   | 3,145 mm  | 10'4"  |
| S | Distance, swing center to re  | ear end           | 3,405 mm  | 11'2"  |
|   |                               |                   |           |        |



#### Backhoe bucket, arm and boom combination

| Bucket  |                     |                      |       | Buck    | ret |         |           | 6.5 m (21     | 3") Boom     |
|---------|---------------------|----------------------|-------|---------|-----|---------|-----------|---------------|--------------|
| type    | Сар                 | acity                | Teeth | Wid     | th  | We      | ight      | 3.2 m (10'5") | 4.0 m (13'2" |
|         | 0.93 m <sup>3</sup> | 1.21 yd <sup>3</sup> | 4     | 762 mm  | 30" | 1097 kg | 2418 lbs. | •             | •            |
| Komatsu | 1.18 m <sup>3</sup> | 1.54 yd <sup>3</sup> | 4     | 914 mm  | 36" | 1198 kg | 2641 lbs. | •             |              |
|         | 1.44 m <sup>3</sup> | 1.88 yd <sup>3</sup> | 5     | 1067 mm | 42" | 1325 kg | 2921 lbs. | •             | •            |
| TL      | 1.70 m <sup>3</sup> | 2.22 yd <sup>3</sup> | 5     | 1219 mm | 48" | 1426 kg | 3144 lbs. | •             | 0            |
|         | 1.96 m <sup>3</sup> | 2.56 yd <sup>3</sup> | 6     | 1372 mm | 54" | 1554 kg | 3425 lbs. | 0             |              |
|         | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 3     | 610 mm  | 24" | 1022 kg | 2254 lbs. | •             | •            |
| Komatsu | $0.93  m^3$         | 1.21 yd <sup>3</sup> | 4     | 762 mm  | 30" | 1178 kg | 2598 lbs. | •             | •            |
|         | 1.18 m <sup>3</sup> | 1.54 yd <sup>3</sup> | 4     | 914 mm  | 36" | 1358 kg | 2993 lbs. | •             |              |
| HP      | 1.44 m <sup>3</sup> | 1.88 yd <sup>3</sup> | 5     | 1067 mm | 42" | 1439 kg | 3173 lbs. | •             |              |
|         | 1.70 m <sup>3</sup> | 2.22 yd <sup>3</sup> | 5     | 1219 mm | 48" | 1555 kg | 3429 lbs. | •             |              |
|         | 1.96 m <sup>3</sup> | 2.56 yd <sup>3</sup> | 6     | 1372 mm | 54" | 1701 kg | 3750 lbs. |               | •            |
|         | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 3     | 610 mm  | 24" | 1112 kg | 2451 lbs. | •             | •            |
|         | $0.93  m^3$         | 1.21 yd <sup>3</sup> | 4     | 762 mm  | 30" | 1294 kg | 2853 lbs. | •             | •            |
| Komatsu | 1.18 m <sup>3</sup> | 1.54 yd <sup>3</sup> | 4     | 914 mm  | 36" | 1437 kg | 3167 lbs. | •             |              |
| HPS     | 1.44 m <sup>3</sup> | 1.88 yd <sup>3</sup> | 5     | 1067 mm | 42" | 1607 kg | 3543 lbs. | •             | 0            |
|         | 1.70 m <sup>3</sup> | 2.22 yd3             | 5     | 1219 mm | 48" | 1750 kg | 3857 lbs. | 0             |              |
|         | 1.96 m <sup>3</sup> | 2.56 yd <sup>3</sup> | 6     | 1372 mm | 54" | 1921 kg | 4236 lbs. |               | •            |
|         | 0.68 m <sup>3</sup> | 0.89 yd <sup>3</sup> | 3     | 610 mm  | 24" | 1239 kg | 2731 lbs. | •             | •            |
|         | $0.93  \text{m}^3$  | 1.21 yd <sup>3</sup> | 4     | 762 mm  | 30" | 1421 kg | 3133 lbs. | •             | •            |
| Komatsu | 1.18 m <sup>3</sup> | 1.54 yd <sup>3</sup> | 4     | 914 mm  | 36" | 1564 kg | 3447 lbs. | •             |              |
| НРХ     | 1.44 m <sup>3</sup> | 1.88 yd <sup>3</sup> | 5     | 1067 mm | 42" | 1734 kg | 3823 lbs. | •             | 0            |
|         | 1.70 m <sup>3</sup> | 2.22 yd <sup>3</sup> | 5     | 1219 mm | 48" | 1877 kg | 4137 lbs. | 0             |              |
|         | 1.96 m <sup>3</sup> | 2.56 yd <sup>3</sup> | 6     | 1372 mm | 54" | 2048 kg | 4516 lbs. |               | $\odot$      |

4,020 mm

11,170 mm

5,475 mm

3,760 mm

13'2"

36'8"

18'0"

12'4"

For best semi-automatic machine control performance, observe maximum attachment weights:

Exceeding recommended attachment weights may negatively impact performance and accuracy of semi-automatic function.

<sup>\*</sup>Including grouser height

<sup>\*\*</sup>Including handrail

 $<sup>\</sup>bullet\,2500$  kg 5,511 lbs. maximum for 3,185 mm 10' 5" standard arm assembly

<sup>• 2350</sup> kg 5,180 lbs. maximum for 4,020 mm 13' 2" standard arm assembly

<sup>• -</sup> Used with material weights up to 3,500 lbs./yd³-Quarry/rock/high abrasion applications

<sup>☐ -</sup> Used with material weights up to 2,500 lbs./yd³ – General construction

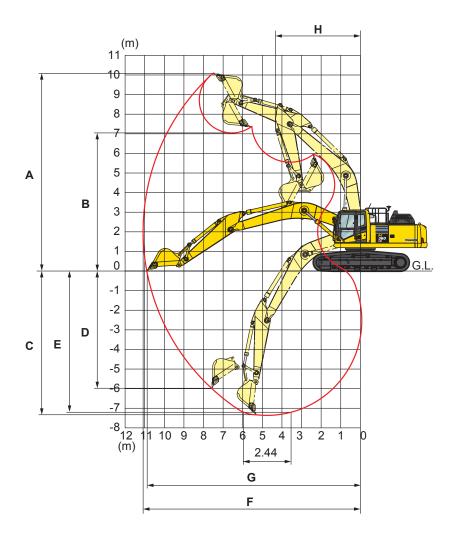
 $<sup>\</sup>bigcirc$  - Used with material weights up to 3,000 lbs./yd³ – Tough digging applications

 $<sup>\</sup>odot$  - Used with material weights up to 2,000 lbs./yd³– Light materials applications

X - Not useable

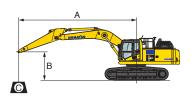
# **General specification**

## Working range



|            | Arm Length                             | 3185 mm                  | 10'5"  | 4020 mm                  | 13'2"  |
|------------|--|--------------------------|--------|--------------------------|--------|
| Α          | Max. digging height                    | 10,210 mm                | 33'6"  | 10,550 mm                | 34'7"  |
| В          | Max. dumping height                    | 7,110 mm                 | 23'4"  | 7,490 mm                 | 24'7"  |
| С          | Max. digging depth                     | 7,280 mm                 | 23'11" | 8,110 mm                 | 26'7"  |
| D          | Max. vertical wall digging depth       | 6,480 mm                 | 21'3"  | 7,280 mm                 | 23'11" |
| Е          | Max. digging depth for 8' level bottom | 7,180 mm                 | 23'7"  | 7,960 mm                 | 26'1"  |
| F          | Max. digging reach                     | 11,100 mm                | 36'5"  | 11,900 mm                | 39'1"  |
| G          | Max. digging reach at ground level     | 10,920 mm                | 35'10" | 11,730 mm                | 38'6"  |
| Н          | Min. swing radius                      | 4,310 mm                 | 14'2"  | 4,320 mm                 | 14'2"  |
| SAE rating | Bucket digging force at power max.     | 200 kN<br>20,400 kg / 44 | -      | 200 kN<br>20,400 kg / 44 | -      |
| SAEr       | Arm crowd force at power max.          | 165 kN<br>16,800 kg / 37 | -      | 139 kN<br>14,200 kg / 31 | -      |
| rating     | Bucket digging force at power max.     | 228 kN<br>23,200 kg / 51 | -      | 227 kN<br>23,100 kg / 50 | -      |
| ISO n      | Arm crowd force at power max.          | 171 kl<br>17,400 kg / 38 | -      | 144 kN<br>14,700 kg / 32 | -      |

## Lifting capacity with lifting mode

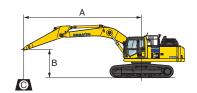


- Reach from swing center
- Bucket hook height
- C: Lifting capacity
- Cf: Rating over front Rating over side Cs:
- Rating at maximum reach

#### Conditions:

- Boom length: 6,500 mm 21' 3" one-piece boom
- Bucket: None
- Lifting mode: On

| Arm: 3,185 | 5 mm 10'5" |         |         |         | Shoe    | es: 700 mm | n 28"   |       |       |       | ι       | Jnit: kg lbs. |
|------------|------------|---------|---------|---------|---------|------------|---------|-------|-------|-------|---------|---------------|
| A          | 3.0        | m 10'   | 4.6     | m 15'   | 6.1     | m 20'      | 7.6 m   | า 25' | 9.1 n | 1 30' | M       | AX 😝          |
| В          | Cf         | Cs      | Cf      | Cs      | Cf      | Cs         | Cf      | Cs    | Cf    | Cs    | Cf      | Cs            |
| 7.6 m      |            |         |         |         |         |            |         |       |       |       | * 7250  | * 7250        |
| 25'        |            |         |         |         |         |            |         |       |       |       | * 15980 | * 15980       |
| 6.1 m      |            |         |         |         |         |            | * 8890  | 7530  |       |       | * 7050  | 6390          |
| 20'        |            |         |         |         |         |            | * 19590 | 16600 |       |       | * 15540 | 14080         |
| 4.6 m      |            |         |         |         | * 10740 | 10170      | * 9370  | 7370  |       |       | * 7100  | 2690          |
| 15'        |            |         |         |         | * 23670 | 22420      | * 20650 | 16240 |       |       | * 15650 | 5930          |
| 3.0 m      |            |         | * 16210 | 14500   | * 12090 | 9710       | * 10030 | 7140  | 8160  | 5520  | * 7380  | 5340          |
| 10'        |            |         | * 35730 | 31960   | * 26650 | 21400      | * 22110 | 15740 | 17980 | 12160 | * 16270 | 11770         |
| 1.5 m      |            |         | * 18180 | 13690   | * 13220 | 9290       | 10410   | 6910  | 8050  | 5410  | 7740    | 5210          |
| 5'         |            |         | * 40070 | 30180   | * 29140 | 20480      | 22950   | 15230 | 17740 | 11920 | 17060   | 11480         |
| 0 m        |            |         | * 18550 | 13330   | * 13740 | 9010       | 10230   | 6750  | 7960  | 5340  | 7910    | 5300          |
| 0'         |            |         | * 40890 | 29380   | * 30290 | 19860      | 22550   | 14880 | 17540 | 11770 | 17430   | 11680         |
| -1.5 m     | * 13710    | * 13710 | * 17720 | 13260   | * 13480 | 8900       | 10140   | 6670  |       |       | 8480    | 5660          |
| -5'        | * 30220    | * 30220 | * 39060 | 29230   | * 29710 | 19620      | 22350   | 14700 |       |       | 18690   | 12470         |
| -3.0 m     | * 20540    | * 20540 | * 15850 | 13360   | * 12300 | 8930       | * 9440  | 6720  |       |       | * 8870  | 6430          |
| -10'       | * 45280    | * 45280 | * 34940 | 29450   | * 27110 | 19680      | * 20810 | 14810 |       |       | * 19550 | 14170         |
| -4.6 m     | * 15670    | * 15670 | * 12560 | * 12560 | * 9590  | 9130       |         |       |       |       | * 8350  | 8170          |
| -15'       | * 34540    | * 34540 | * 27690 | * 27690 | * 21140 | 20120      |         |       |       |       | * 18400 | 18010         |



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

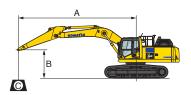
#### Conditions:

- Boom length: 6,500 mm 21' 3" one-piece boom
- Bucket: None
- · Lifting mode: On

| Arm: 3,1 | 185 r | nm 10'5" |         |   |       |       |    |   | Shoe  | es: 8 | 00 mm | 31 | .5"   |     |       |     |       |       |    |     | l     | Jnit: | kg lbs.  |
|----------|-------|----------|---------|---|-------|-------|----|---|-------|-------|-------|----|-------|-----|-------|-----|-------|-------|----|-----|-------|-------|----------|
|          | Α     | 3.0      | m 10'   |   | 4.6   | m 15' |    |   | 6.1   | m 2   | 20'   |    | 7.6 r | n 2 | 5'    |     | 9.1 m | 1 30' |    |     | М     | AX    | $\Theta$ |
| В        | _     | Cf       | Cs      |   | Cf    | Cs    |    |   | Cf    |       | Cs    |    | Cf    |     | Cs    | C   | f     | Cs    |    |     | Cf    |       | 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 | 146   | 30 | * | 12090 |       | 9790  | *  | 10030 |     | 7200  | 82  | 40    | 557   | 70 | *   | 7380  |       | 5390     |
| 10'      |       |          |         | * | 35700 | 322   | 00 | * | 26600 |       | 21500 | *  | 22100 |     | 15800 | 181 | 00    | 122   | 00 | * . | 16200 | •     | 11800    |
| 1.5 m    |       |          |         | * | 18180 | 138   | 20 | * | 13220 |       | 9370  |    | 10510 |     | 6980  | 81  | 20    | 546   | 60 |     | 7820  |       | 5260     |
| 5'       |       |          |         | * | 40000 | 304   | 00 | * | 29100 | :     | 20600 |    | 23100 | •   | 15300 | 179 | 900   | 120   | 00 | •   | 17200 | •     | 11600    |
| 0 m      |       |          |         | * | 18550 | 134   | 60 | * | 13740 |       | 9100  |    | 10330 |     | 6810  | 80  | 40    | 539   | 0  |     | 7990  |       | 5360     |
| 0'       |       |          |         | * | 40900 | 296   | 00 | * | 30200 | :     | 20000 |    | 22700 | •   | 15000 | 177 | 700   | 118   | 00 | •   | 17600 | •     | 11800    |
| -1.5 n   | 1 *   | 13710    | * 13710 | * | 17720 | 133   | 80 | * | 13480 |       | 8980  |    | 10240 |     | 6730  |     |       |       |    |     | 8570  |       | 5710     |
| -5'      | *     | 30200    | * 30200 | * | 39000 | 295   | 00 | * | 29700 |       | 19800 |    | 22500 | •   | 14800 |     |       |       |    | •   | 18800 | •     | 12600    |
| -3.0 n   | 1 *   | 20540    | * 20540 | * | 15850 | 134   | 90 | * | 12300 |       | 9010  | *  | 9440  |     | 6780  |     |       |       |    | *   | 8870  |       | 6490     |
| -10'     | *     | 45200    | * 45200 | * | 34900 | 297   | 00 | * | 27100 |       | 19800 | *  | 20800 | •   | 14900 |     |       |       |    | * * | 19500 | •     | 14300    |
| -4.6 n   | 1 *   | 15670    | * 15670 | * | 12560 | * 125 | 60 | * | 9590  |       | 9210  |    |       |     |       |     |       |       |    | *   | 8350  |       | 8250     |
| -15'     | *     | 34500    | * 34500 | * | 27600 | * 276 | 00 | * | 21100 |       | 20300 |    |       |     |       |     |       |       |    | * * | 18400 |       | 18100    |

# **General specification**

## Lifting capacity with lifting mode

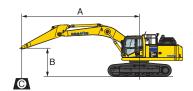


- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- Rating at maximum reach

#### Conditions:

- Boom length: 6,500 mm 21' 3" one-piece boom
- Bucket: None
- Lifting mode: On

| Arm: 3,18 | 35 mm 10'5' | ı       |         |         | Shoe    | s: 850 mm | 33.5"   |       |       |       | l       | Jnit: kg lbs. |
|-----------|-------------|---------|---------|---------|---------|-----------|---------|-------|-------|-------|---------|---------------|
| A         | 3.0         | m 10'   | 4.6     | m 15'   | 6.1     | m 20'     | 7.6 m   | า 25' | 9.1 n | า 30' | M       | AX 😝          |
| В         | Cf          | Cs      | Cf      | Cs      | Cf      | Cs        | Cf      | Cs    | Cf    | Cs    | Cf      | 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         |



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

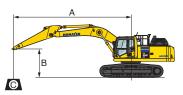
#### Conditions:

- Boom length: 6,500 mm 21' 3" one-piece boom
- Bucket: None
- Lifting mode: On

| Arm: 4,0 | )20 n | nm 13'2" |         |   |       |         |   | Sho   | es: | 700 mn | 12 | 8"    |       |    |         |       |   | l     | Jnit | : kg lbs. |
|----------|-------|----------|---------|---|-------|---------|---|-------|-----|--------|----|-------|-------|----|---------|-------|---|-------|------|-----------|
|          | Α     | 3.0 ı    | m 10'   |   | 4.6   | m 15'   |   | 6.1   | m   | 20'    |    | 7.6 n | า 25' |    | 9.1 m   | า 30' |   | М     | ΑX   | •         |
| В        | _     | Cf       | Cs      |   | Cf    | Cs      |   | Cf    |     | Cs     |    | Cf    | Cs    | ;  | Cf      | Cs    |   | Cf    |      | Cs        |
| 7.6 m    |       |          |         |   |       |         |   |       |     |        | *  | 7750  | 77    | 10 |         |       | * | 5610  | *    | 5610      |
| 25'      |       |          |         |   |       |         |   |       |     |        | *  | 17080 | 169   | 90 |         |       | * | 12360 | *    | 12360     |
| 6.1 m    |       |          |         |   |       |         |   |       |     |        | *  | 7950  | 76    | 20 | * 6550  | 5690  | * | 5460  |      | 5460      |
| 20'      |       |          |         |   |       |         |   |       |     |        | *  | 17520 | 167   | 90 | * 14440 | 12540 | * | 12030 |      | 12030     |
| 4.6 m    |       |          |         |   |       |         |   |       |     |        | *  | 8520  | 74    | 10 | * 7870  | 5610  | * | 5470  |      | 4940      |
| 15'      |       |          |         |   |       |         |   |       |     |        | *  | 18780 | 163   | 30 | * 17350 | 12360 | * | 12050 |      | 10890     |
| 3.0 m    |       |          |         | * | 14340 | * 14340 | * | 11020 |     | 9790   | *  | 9280  | 71    | 30 | 8130    | 5470  | * | 5640  |      | 4650      |
| 10'      |       |          |         | * | 31610 | * 31610 | * | 24290 |     | 21580  | *  | 20450 | 157   | 10 | 17920   | 12050 | * | 12430 |      | 10250     |
| 1.5 m    |       |          |         | * | 16890 | 13770   | * | 12370 |     | 9260   | *  | 10010 | 68    | 40 | 7970    | 5320  | * | 5950  |      | 4540      |
| 5'       |       |          |         | * | 37230 | 30350   | * | 27270 |     | 20410  | *  | 22060 | 150   | 70 | 17570   | 11720 | * | 13110 |      | 10000     |
| 0 m      | *     | 8320     | * 8320  | * | 18090 | 13140   | * | 13230 |     | 8870   |    | 10100 | 66    | 10 | 7830    | 5190  | * | 6480  |      | 4600      |
| 0'       | *     | 18340    | * 18340 | * | 39880 | 28960   | * | 29160 |     | 19550  |    | 22260 | 145   | 70 | 17260   | 11440 | * | 14280 |      | 10140     |
| -1.5 n   | 1 *   | 12420    | * 12420 | * | 17980 | 12900   | * | 13400 |     | 8660   |    | 9950  | 64    | 70 | 7760    | 5130  |   | 7290  |      | 4840      |
| -5'      | *     | 27380    | * 27380 | * | 39630 | 28430   | * | 29540 |     | 19090  |    | 21930 | 142   | 60 | 17100   | 11300 |   | 16070 |      | 10670     |
| -3.0 n   | 1 *   | 17840    | * 17840 | * | 16780 | 12900   | * | 12760 |     | 8610   |    | 9920  | 64    | 40 |         |       | * | 8040  |      | 5360      |
| -10'     | *     | 39330    | * 39330 | * | 36990 | 28430   | * | 28130 |     | 18980  |    | 21860 | 141   | 90 |         |       | * | 17720 |      | 11810     |
| -4.6 n   | 1 *   | 19190    | * 19190 | * | 14360 | 13100   | * | 11040 |     | 8730   | *  | 8190  | 65    | 70 |         |       | * | 7850  |      | 6420      |
| -15'     | *     | 42300    | * 42300 | * | 31650 | 28880   | * | 24330 |     | 19240  | *  | 18050 | 144   | 80 |         |       | * | 17300 |      | 14150     |
| -6.1 n   | 1 *   | 12720    | * 12720 | * | 9970  | * 9970  | * | 7010  | *   | 7010   |    |       |       |    |         |       | * | 6940  | *    | 6940      |
| -20'     | *     | 28040    | * 28040 | * | 21980 | * 21980 | * | 15450 | *   | 15450  |    |       |       |    |         |       | * | 15300 | *    | 15300     |

<sup>\*</sup>Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.

## Lifting capacity with lifting mode

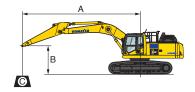


- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- Rating at maximum reach

#### Conditions:

- Boom length: 6,500 mm 21' 3" one-piece boom
- Bucket: None
- Lifting mode: On

| Arm: 4,02 | 0 m | ım 13'2" |     |       |   |       |     |       |   | Shoe    | s: 800 | mm : | 31. | 5"    |   |       |   |       |     |       |   | l     | Jni | t: kg lbs. |
|-----------|-----|----------|-----|-------|---|-------|-----|-------|---|---------|--------|------|-----|-------|---|-------|---|-------|-----|-------|---|-------|-----|------------|
| A         |     | 3.0      | m 1 | 10'   |   | 4.6   | m ´ | 15'   |   | 6.1     | m 20'  |      |     | 7.6   | m | 25'   |   | 9.1   | m 3 | 0'    |   | M     | Αλ  | ( ❷        |
| В         |     | Cf       |     | Cs    |   | Cf    |     | Cs    |   | Cf      | Cs     | ;    |     | Cf    |   | Cs    |   | Cf    |     | Cs    |   | Cf    |     | 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 | 1 | * 11020 | 98     | 70   | *   | 9280  |   | 7190  |   | 8210  |     | 5520  | * | 5640  |     | 4700       |
| 10'       |     |          |     |       | * | 31600 | *   | 31600 | • | * 24300 | 217    | 700  | *   | 20400 |   | 15800 |   | 18100 |     | 12100 | * | 12400 |     | 10300      |
| 1.5 m     |     |          |     |       | * | 16890 |     | 13900 | 1 | * 12370 | 93     | 50   | *   | 10010 |   | 6900  |   | 8040  |     | 5370  | * | 5950  |     | 4590       |
| 5'        |     |          |     |       | * | 37200 |     | 30600 | • | * 27200 | 206    | 00   | *   | 22000 |   | 15200 |   | 17700 |     | 11800 | * | 13100 |     | 10100      |
| 0 m       | *   | 8320     | *   | 8320  | * | 18090 |     | 13270 | 1 | * 13230 | 89     | 60   |     | 10200 |   | 6670  |   | 7910  |     | 5240  | * | 6480  |     | 4640       |
| 0'        | *   | 18300    | *   | 18300 | * | 39800 |     | 29200 | 1 | * 29100 | 197    | 700  |     | 22500 |   | 14700 |   | 17400 |     | 11500 | * | 14200 |     | 10200      |
| -1.5 m    | *   | 12420    |     | 12420 | * | 17980 |     | 13030 |   | * 13400 | 87     | 40   |     | 10050 |   | 6530  |   | 7840  |     | 5180  | * | 7330  |     | 4890       |
| -5'       | *   | 27300    |     | 27300 | * | 39600 |     | 28700 | 1 | * 29500 | 192    | 200  |     | 22100 |   | 14400 |   | 17200 |     | 11400 | * | 16100 |     | 10700      |
| -3.0 m    | *   | 17840    | *   | 17840 | * | 16780 |     | 13030 | • | * 12760 | 87     | 00   | *   | 10020 |   | 6510  |   |       |     |       | * | 8040  |     | 5410       |
| -10'      | *   | 39300    | *   | 39300 | * | 37000 |     | 28700 | • | * 28100 | 191    | 100  | *   | 22000 |   | 14300 |   |       |     |       | * | 17700 |     | 11900      |
| -4.6 m    | *   | 19190    | *   | 19190 | * | 14360 |     | 13230 | 1 | * 11040 | 88     | 10   | *   | 8190  |   | 6640  |   |       |     |       | * | 7850  |     | 6480       |
| -15'      | *   | 42300    | *   | 42300 | * | 31600 |     | 29100 | • | * 24300 | 194    | 100  | *   | 18000 |   | 14600 |   |       |     |       | * | 17300 |     | 14300      |



- 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:

- Boom length: 6,500 mm 21' 3" one-piece boom
- Bucket: None
- Lifting mode: On

| Arm: 4 | ,020 r        | nm 13'2" |         |   | Shoes: 850 mm 33.5" |         |   |       |       |   |       |     |       |         |       |   | Unit: kg lbs |     |          |  |
|--------|---------------|----------|---------|---|---------------------|---------|---|-------|-------|---|-------|-----|-------|---------|-------|---|--------------|-----|----------|--|
|        | Α             | 3.0 ı    | n 10'   |   | 4.6                 | m 15'   |   | 6.1   | m 20' |   | 7.6   | m 2 | 25'   | 9.11    | m 30' |   | N            | AX  | <b>⊕</b> |  |
| В      | $\overline{}$ | Cf       | Cs      |   | Cf                  | Cs      |   | Cf    | Cs    |   | Cf    |     | Cs    | Cf      | Cs    |   | Cf           |     | Cs       |  |
| 7.6 ו  | n             |          |         |   |                     |         |   |       |       | * | 7750  | *   | 7750  |         |       | * | 5610         | *   | 5610     |  |
| 25     |               |          |         |   |                     |         |   |       |       | * | 17000 | *   | 17000 |         |       | * | 12300        | * - | 12300    |  |
| 6.1    | n             |          |         |   |                     |         |   |       |       | * | 7950  |     | 7720  | * 6550  | 5770  | * | 5460         | *   | 5460     |  |
| 20     |               |          |         |   |                     |         |   |       |       | * | 17500 |     | 17000 | * 14400 | 12700 | * | 12000        | * - | 12000    |  |
| 4.6 ו  | n             |          |         |   |                     |         |   |       |       | * | 8520  |     | 7500  | * 7870  | 5690  | * | 5470         |     | 5010     |  |
| 15     |               |          |         |   |                     |         |   |       |       | * | 18700 |     | 16500 | * 17300 | 12500 | * | 12000        | -   | 11000    |  |
| 3.0 ı  | n             |          |         | * | 14340               | * 14340 | * | 11020 | 9910  | * | 9280  |     | 7220  | * 8220  | 5550  | * | 5640         |     | 4720     |  |
| 10     |               |          |         | * | 31600               | * 31600 | * | 24300 | 21800 | * | 20400 |     | 15900 | * 18100 | 12200 | * | 12400        | 1   | 10400    |  |
| 1.5    | n             |          |         | * | 16890               | 13960   | * | 12370 | 9390  | * | 10010 |     | 6940  | 8080    | 5400  | * | 5950         |     | 4610     |  |
| 5'     |               |          |         | * | 37200               | 30700   | * | 27200 | 20700 | * | 22000 |     | 15300 | 17800   | 11900 | * | 13100        | 1   | 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        | 1   | 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        | 1   | 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    |  |

#### Equipment

| Cab  | PC360LC | PC360LCi |
|--|---------|----------|
| ROPS cab (ISO12117-2)                              | •       | •        |
| High back air suspension seat, with heat           | •       | •        |
| Operator Protective Guard (OPG) Level 1 top guard  | •       | •        |
| Large LCD high-resolution color monitor            | •       | •        |
| Automatic climate control                          | •       | •        |
| Retractable seat belt (76 mm width) with indicator | •       | •        |
| 12 V accessory outlet                              | •       | •        |
| 24 V accessory outlet                              | •       | •        |
| Rearview mirrors, right hand and left hand side    | •       | •        |
| Rearview monitoring system (1 camera)              | •       | •        |
| Travel alarm                                       | •       | •        |
| Proportional joystick control levers               | 0       | •        |
| Operator identification system                     | •       | •        |
| Hydraulic lock lever                               | •       | •        |
| Skylight   | •       | •        |
| Sunvisor   | 0       | 0        |
| Rainvisor  | 0       | 0        |
| Working lights, two additional cab mounted         | 0       | 0        |
| Straight travel pedal                              |         |          |

| Engine                               | PC360LC | PC360LCi |
|--------------------------------------|---------|----------|
| Komatsu SAA6D114E-6 Tier 4 Final     | •       | •        |
| B20 biodiesel compatible fuel lines  | •       | •        |
| Dry type air cleaner, double element | •       | •        |
| Fuel pre-filter with water separator | •       | •        |
| Fuel high efficiency filter          | •       | •        |
| Automatic engine warm up system      | •       | •        |
| Programmable auto-idle shut down     | •       | •        |
| Overheat prevention system           | •       | •        |
| Turbocharger protection system       | •       | •        |
|                                      |         |          |

| Hydraulic controls  | PC360LC | PC360LCi |
|---|---------|----------|
| Pattern change control valve (ISO to BH control)  | •       | •        |
| Working mode selection system (6 modes)   | •       | •        |
| Dual pump, closed center load sensing system (CLSS)   | •       | •        |
| Auto-deceleration system  | •       | •        |
| Power max system  | •       | •        |
| Boom and arm holding valves   | •       | •        |
| Two boom pressure mode settings   | •       | •        |
| One way/two way flow hyd control unit<br>Variable pressure, return filter, and accumulator          | 0       | -        |
| One way/two way flow hyd control unit<br>Variable pressure and flow, return filter, and accumulator | -       | 0        |

| Technology                                | PC360LC | PC360LCi |
|---|---------|----------|
| Komtrax level 5.0                         | •       | •        |
| intelligent Machine Control               | -       | •        |
| 264 mm (10.4") IMC color monitor with USB | -       | •        |
| Multi-band UHF/915SS radio                | -       | •        |
| Auto grade assist                         | -       | •        |
| Auto stop control                         | -       | •        |
| Minimum distance control                  | -       | •        |
| Bucket angle hold control                 | -       | •        |
| Provision for auto tilt control*          | -       | •        |
| Komvision (4-camera system)               | -       | 00       |
| IMU for auto tilt control                 | -       |          |
| In field design - 2D simple surface       | -       | •        |

| <b>Electrical system</b>                             | PC360LC PC360LCi |   |
|--|------------------|---|
| Batteries, large capacity (2 x 12 V)                 | •                | • |
| Battery master disconnect switch with lockout tagout | •                | • |
| Alternator (90 A, 24 V)                              | •                | • |
| Starter motor (11 kW)                                | •                | • |
| Secondary engine shut off switch                     | •                | • |
| Working lights (1 Front RH side/1 boom LH side)      | •                | • |

| Booms and arms  | PC360LC | PC360LCi |
|---|---------|----------|
| 6,500 mm (21'3") HD boom assembly                       | •       | •        |
| 6,500 mm (21'3") HD boom assembly with +1 attach piping | 0       | 0        |
| 3,185 mm (10'5") arm assembly                           | •       | •        |
| 3,185 mm (10'5") arm assembly with +1 attach piping     | 0       | 0        |
| 4,020 mm (13'2) arm assembly                            | 0       | 0        |
| 4,020 mm (13'2) arm assembly with +1 attach piping      | 0       | -        |
| Boom foot, boom nose, and arm end steel castings        | •       | •        |

| Undercarriage and work equipment                 | PC360LC | PC360LCi |
|--|---------|----------|
| 850 mm (33.5") triple grouser track shoes        | •       | •        |
| 800 mm (31.5") single grouser track shoes        | 0       | 0        |
| 700 mm (28") triple grouser track shoes          | 0       | -        |
| 8 track/2 carrier rollers (each side)            | •       | •        |
| Hydraulic track adjusters (each side)            | •       | •        |
| Track guiding guards, center section (each side) | •       | •        |
| Track roller guards, full length (each side)     | 0       | 0        |
| Counterweight, 6,920kg (15,255lb)                | •       | •        |
| Counterweight, 7,400kg (16,315lb)**              | 0       | -        |
| Object handling H-link                           | •       | •        |

| Guards and covers                              | PC360LC | PC360LCi |
|--|---------|----------|
| Revolving frame deck guards                    | •       | •        |
| Revolving frame undercovers                    | •       | •        |
| Track frame swivel guard                       | •       | •        |
| Pump/engine room partition                     | •       | •        |
| Turbocharger exhaust manifold cover            | •       | •        |
| Dust net for radiator and hydraulic oil cooler | •       | •        |
| Slip-resistant foot plates                     | •       | •        |
| Tool-free access to engine and aftertreatment  | •       | •        |
| Left and right side hand rails                 | •       | •        |
| Cab full front guard, OPG Level 1              | 0       | 0        |
| Cab full front guard, OPG Level 2              | 0       | 0        |
| Cab top guard, OPG Level 2                     | 0       | 0        |
| Revolving frame undercovers - heavy duty       | 0       | 0        |
| Revolving frame undercovers - severe duty      | 0       | 0        |

| Drive and brake system             | PC360LC | PC360LCi |
|------------------------------------|---------|----------|
| Three speed travel with auto shift | •       | •        |
| Double reduction type final drive  | •       | •        |
| Triple labyrinth final drive seals | •       | •        |

 $<sup>{}^{\</sup>star}\mathsf{IMU}\,\mathsf{for}\,\mathsf{auto}\text{-}\mathsf{tilt}\,\mathsf{control}\,\mathsf{required}\,\mathsf{for}\,\mathsf{operation}$ 

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

| Standard equipment       | • |
|--------------------------|---|
| Optional equipment       | 0 |
| Optional (field install) |   |

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 $<sup>\</sup>hbox{\it **With revolving frame reinforcements, Only available with superlong fronts}$