KOMATSU

# PC360-8M2

## Hydraulic excavator


**Engine power**
Gross: 213 kW / 286 hp@1,950 rpm
Net: 202 kW / 271 hp@1,950 rpm

**Operating weight**
PC360-8M2: 32,600 - 32,960 kg

**Bucket capacity**
1.9 $m^3$ - 2.2 $m^3$

# PC360-8M2


Include optional equipment.

# Higher production and robustness

## Productivity, ecology and economy

- Engine power 10% up. New
- Large digging force.
- Two-mode setting for boom.
- Fuel saving support functions.

## Comfort

- Multifunction audio (Optional)(coming soon). New
- Sun roller blind. New
- USB port for charging (coming soon). New

## Safety

- Complied with ROPS / OPG level 1.
- Rear view monitor system (Optional).
- LED lamps. New

## Imformation and Communication Technology (ICT) and Komtrax

- Large multi-lingual high resolution Liquid Crystal Display (LCD) monitor.
- Equipment management monitoring system.
- Komtrax

## Maintenance

- Easy access to filters.
- Pre-cleaner for dusty condition.
- Battery disconnect switch.
- Blow-by pressure detection. New
- Clogging sensor for hydraulic oil. New

## Reliability

- High rigidity work equipment (With reinforcement plate and attachment piping seat) (6.0 m boom, 2.6 m arm)
- Grease sealed track.
- Track link with strut.

**Engine power**
Gross: 213 kW / 286 hp@1,950 rpm
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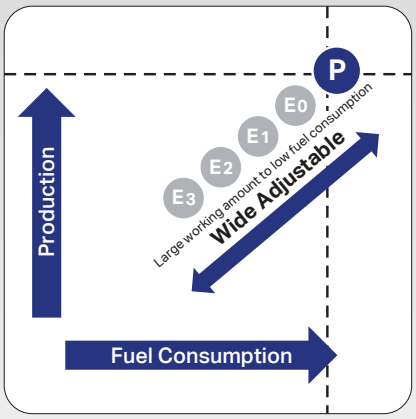
# Productivity, ecology and economy


## Fuel saving support functions

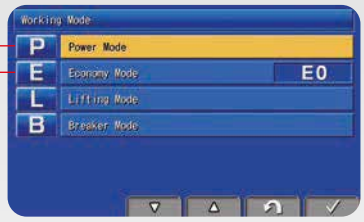
**• Just select a working mode that suits your purpose**

In P mode, LARGE PRODUCTION is implemented. In E mode, LOW FUEL CONSUMPTION is implemented. E mode can be adjusted widely from E0 to E3 mode, and it adapts flexibly to customer's demands. Komatsu tuned each work mode precisely, ensuring high operability and workability. Just by selecting the work mode, it provides the best performance in demanding applications.

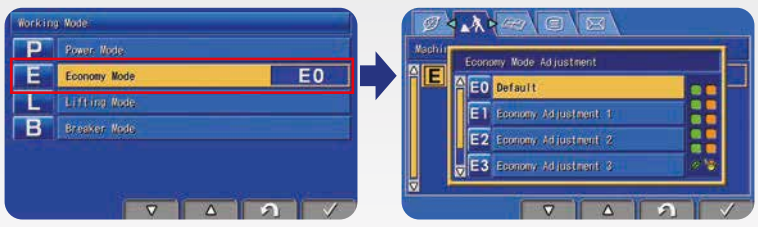



**• P (Power mode)**
Maximum production.
Fast cycle time.

**• E (Economy mode)**
Better fuel consumption.




**• Easy selectable E mode** New
Compared with the conventional model, E0 to E3 can be easily selected on the monitor.




In addition to the above modes there are also the following modes. Please select the appropriate mode according to the application.

| Working Mode | Application | Advantages |
|---|---|---|
| L | Lifting mode. | • Suitable attachment speed.<br>• Lifting capacity is increased 7% by raising hydraulic pressure. |
| B | Breaker mode. | • Optimum engine rpm, hydraulic flow. |
| ATT/P | Attachment Power mode. | • Optimum engine rpm, hydraulic flow, 2 way.<br>• Power mode. |
| ATT/E | Attachment Economy mode. | • Optimum engine rpm, hydraulic flow, 2 way.<br>• Economy mode. |

## Productivity

Workload, which already enjoyed a stellar reputation with the previous model, has been further enhanced. Engine output has been raised to 213kW, bringing more powerful machine performance to the worksite. Hoist swivel movement becomes far smoother, boosting workload by 4% over the existing machine.

**Engine power** (Gross)

194 kW → **213 kW** 10% up

## Large digging force

When press the left knob switch which is called the one-touch power max. switch and when it is kept pressed, this function temporarily increases digging force for 8.5 seconds of operation.

Maximum arm crowd force (ISO 6015)

171 kN [17.4 t]

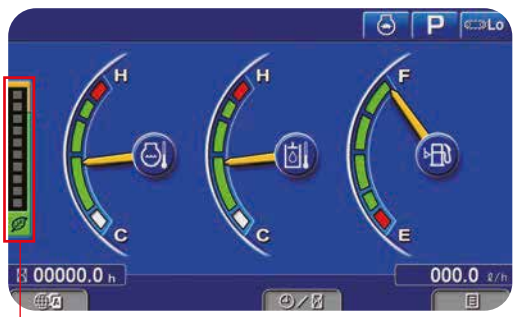
Maximum bucket digging force (ISO 6015)

228 kN [23.1 t]

Measured with Power Max. function, 3,185 mm arm and ISO 6015 rating.

## ECO gauge that assists energy-saving operations

Equipped with the ECO gauge that can be recognized at a glance on the right of the multi-function color monitor for environment friendly energy-saving operations. Allows focus on operation in the green range with reduced $CO_2$ emissions and efficient fuel consumption.

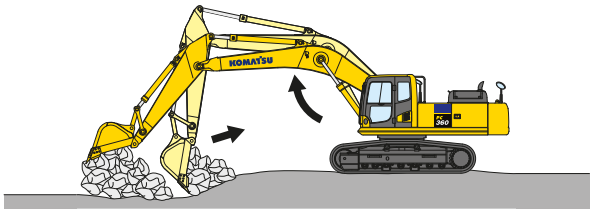



ECO gauge

## Two-mode setting for boom

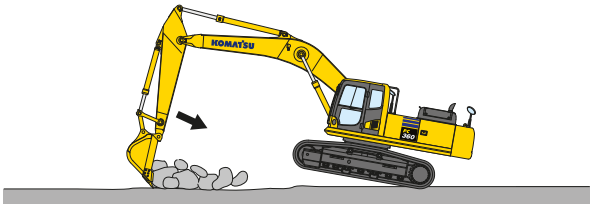
Smooth mode provides easy operation for gathering blasted rock or scraping down operation. When maximum digging force is needed, switch to Power mode for more effective excavating.

Smooth mode




Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.

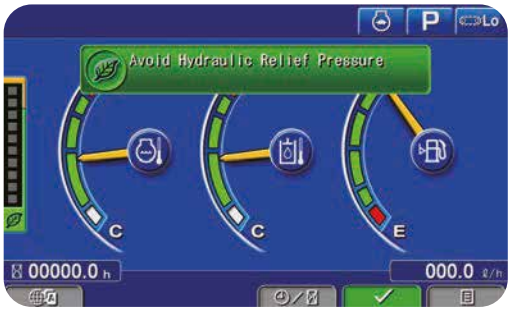
Power mode




Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

## Idling caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor,if the engine idles for 5 minutes or more.




## Low operation noise

Enables a low noise operation using the low-noise engine and methods to cut noise at source.

# Comfort


## Suspension seat

Suspension seat with weight adjustment function as standard equipment. This seat can reduce fatigue even in operation for a long time.

## Pressurized cab

Pressurizing inside the cab to minimize the dust entering from out side. It can keep cab clean.

## Low cab noise

With overwhelming low noise, you can operate without stress. Ambient noise is also reduced, reducing the stress of surrounding workers.

## Multifunction audio (Optional) (coming soon) New

It has functions of AM/FM radio and Bluetooth® wireless technology enabled products can be connected.

## Automatic A/C

It adjusts automatically to a comfortable temperature throughout the year, even in hot and cold areas.

## Low vibration with cab damper mounting

The cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.

## Sun roller blind New

Prepared a roller blind which blocks strong sunlight. Reduce sunlight at any time of day.

## USB port for charging (coming soon) New

**12 V power supply.**

**Magazine box.**

**Luggage box.**

# Safety

## Complied with ROPS/OPG level 1

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of OPG top guard level 1 (ISO 10262) for falling objects. Combined with the retractable seat belt, The ROPS cab protects the operator in case of tipping over and against falling objects.


## Thermal guard, fan guard

Preventing direct contact to high temperature parts or the finger being caught by fan when checking around the engine, by installing thermal guards and fan guard.

## Rear view monitor system (Optional)

A rear view monitor 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.

Even if it is on another screen, it changes to the rear camera image at the same time as the any operation lever is operated.


**Cab guard:**

**Front full height guard level 1 (ISO 10262) (Optional).**

**OPG top guard level 2 (ISO 10262) (Optional).**

**Lock lever.**

**Pump/Engine room partition.**

**Large side-view, rear and sidewise mirrors.**

**Large handrail.**

**Slip-resistant plates.**

**LED lamps.** New

# ICT and Komtrax


## Large multi-lingual high resolution LCD monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 15 languages to globally support operators around the world.

**Indicators**

1. Auto-decelerator.
2. Working mode.
3. Travel speed.
4. Engine water temperature gauge.
5. Hydraulic oil temperature gauge.
6. Fuel gauge.
7. ECO gauge.
8. Fuel consumption gauge.
9. Function switches menu.
10. Language select.

**Basic operation switches**

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

## Supports efficient operation

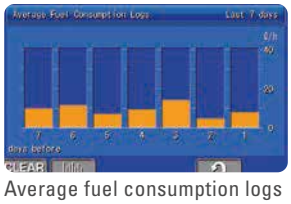
The main screen displays advices for promoting energy-saving operations as needed. The operator can use the ECO guidance menu to check the operation records, ECO guidance records, average fuel consumption logs, etc.


ECO guidance


ECO guidance menu


ECO guidance records


Operation records


Average fuel consumption logs

## Simplified selection of languages and new languages added. New

It supports 15 languages including newly added languages. Language selection has become extremely easy.


## Equipment management monitoring system

• Monitor function

Controller monitors engine oil level, coolant temperature, battery charge air clogging, etc. If the controller finds any abnormality, it is displayed on the LCD.

• Maintenance function

The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

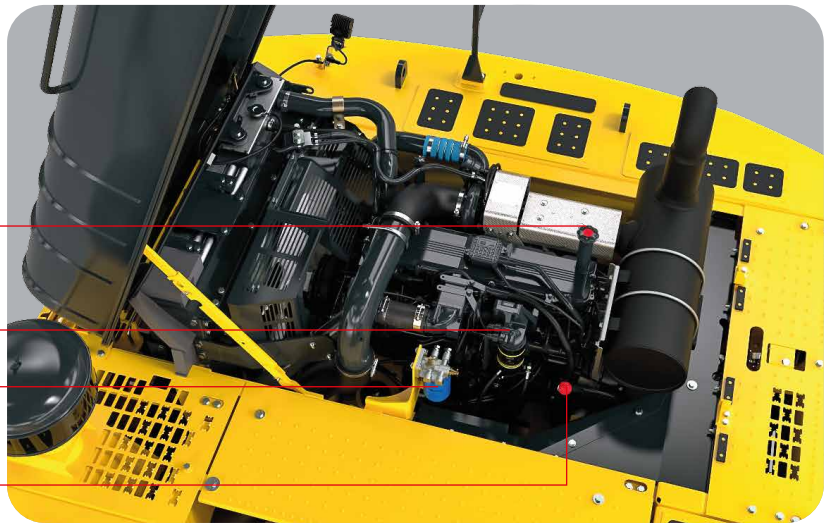
• Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.

# Maintenance

## Easy access to filters

The engine oil and fuel filters are conveniently located for ready access when opening the door or hood.






## Long-life oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

| | | | |
|---|---|---|---|
| **Engine oil & engine oil filter** | every | **500** | hours |
| **Hydraulic oil filter** | every | **1,000** | hours |
| **Hydraulic oil** | every | **5,000** | hours |

## Blow-by pressure detection New

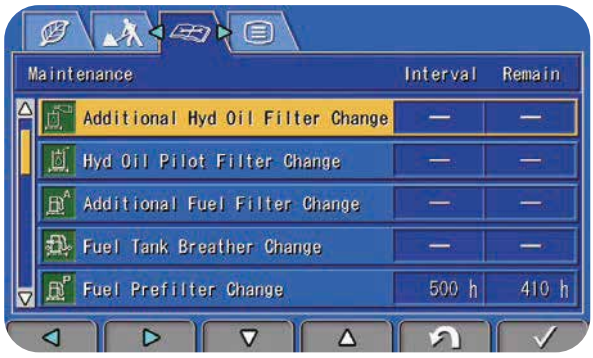
Failure detection of engine by monitoring blow-by gas pressure. Detect the blow by pressure to grasp the operating condition of the engine and prevent malfunction beforehand. Komatsu prepared a sensor that can remotely and continuously monitor the blow-by pressure, which is the main criterion for engine overhaul, by Komtrax. It also increases the resale value of the machine.

## Easy maintenance time management

The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

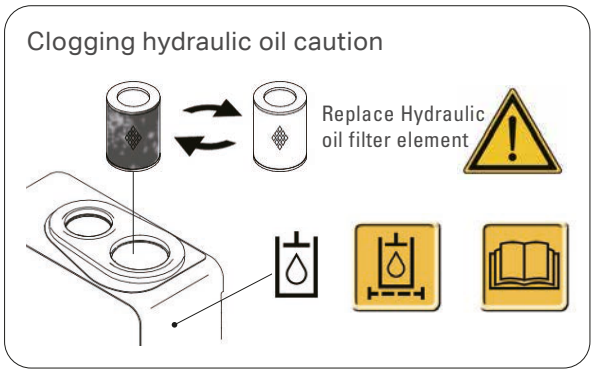
## Easy to know maintenance time when using breaker

In addition to the above functions, it monitors the breaker usage time. Since the replacement time will be changed depending on the breaker usage time, monitor can notify the optimum replacement time.




## Detect abnormality of hydraulic circuit clogging sensor for hydraulic oil as standard New

When the hydraulic oil filter is clogged, the caution message pops up on the monitor to notify replacing the filter. It is possible to suppress repair cost due to breakdown.




## Clogging sensor for breaker line (Optional)

## High-capacity air cleaner

High capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and prevents early clogging and resulting power decrease. Reliability is improved by a new seal design.

## Pre-cleaner for dusty condition

Even in dusty places, by installing pre-cleaner coupled with the large air cleaner, the frequency of cleaning the air cleaner will be reduced.

## Battery disconnect switch

A battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing or maintenance the machine. Also, minimize discharge of the battery during long-term non operation. System operating lamp tells the timing of disconnect the switch to prevent controller failures.

## Other features

- Fuel line contamination prevention.
- Fuel drain valve.
- Engine oil drain valve.
- Easy to check level of hydraulic oil.

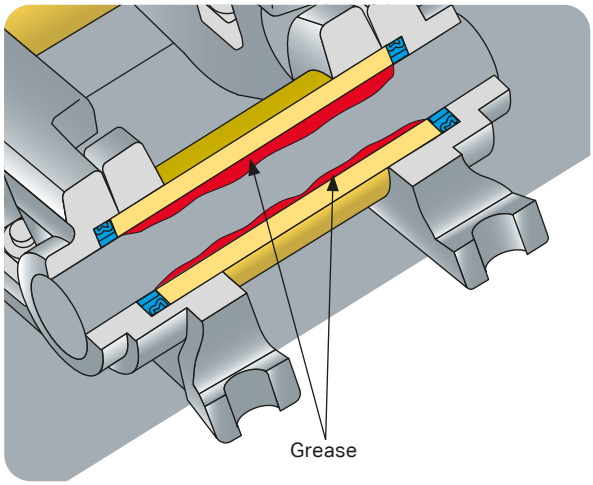
# Reliability

## High rigidity work equipment New

Boom and arms are constructed of thick plates of high tensile strength steel. In addition, these structures are designed with large cross- sectional areas and generous use of castings. The result is working attachments that exhibit long term durability and high resistance to bending and torsional stress.

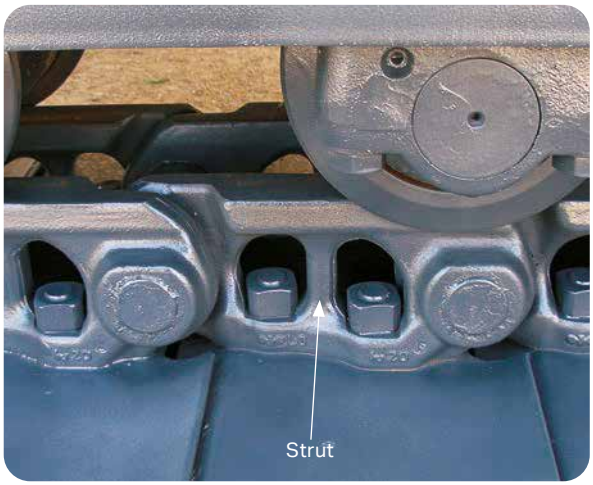

## Grease sealed track

PC360-8M2 uses grease sealed tracks for extended undercarriage life.




## Track link with strut

PC360-8M2 uses track links with strut, providing superb durability.



## Sturdy frame structure

The revolving frame, center frame and under-carriage are designed by using the most advanced three-dimensional CAD and Finite Element Method (FEM) analysis technology.

## Reliable components

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

## Highly reliable electronic devices

Exclusively designed electronic devices have passed severe testing.

- Controller.
- Sensors.
- Connectors.
- Heat resistant wiring.

# Special specification

## Quarry hydraulic excavator

PC360-8M2 is a specially designed heavy-duty machine. The PC360-8M2 has strengthened work equipment and various machine body parts for use in severe job sites such as quarry and gravel gathering, etc.

Heavy-duty arm

**Fixed one-piece laminated front window glass (Optional)**
The front window is fixed and uses laminated safety glass to prevent scattering of glass fragments when broken.

Heavy-duty boom

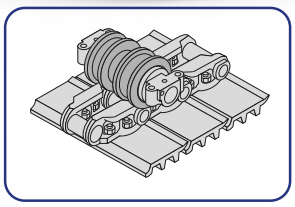
Cab with two-piece pull-up window

**Large counterweight**
The PC360-8M2 counterweight is increased by 900 kg for better stability.

Dent preventing plates

Deck guard

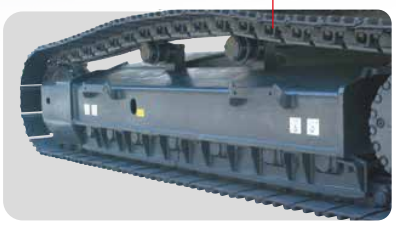
**O-ring added**
O-ring is added between bucket and linkage to prevent entrance of dirt.



**Double-flange track roller**
Double-flange roller guides track link correctly and extends life of undercarriage.

**Number of double-flange track rollers**

| | |
|---|---|
| PC360-8M2 | 3 each side |



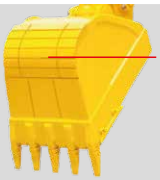
Full roller guard

Strengthened revolving frame undercover

**Quarry bucket and work equipment**
PC360-8M2 bucket is designed exclusively for quarry use and is higher strength for impact and wear. Various parts of work equipment are also strengthened.

**Side reinforcement plates**
16 mm thickness high-tensile strength steel used.

Side shrouds.



**Bottom wear plate**
19 mm thickness high-tensile strength steel used.

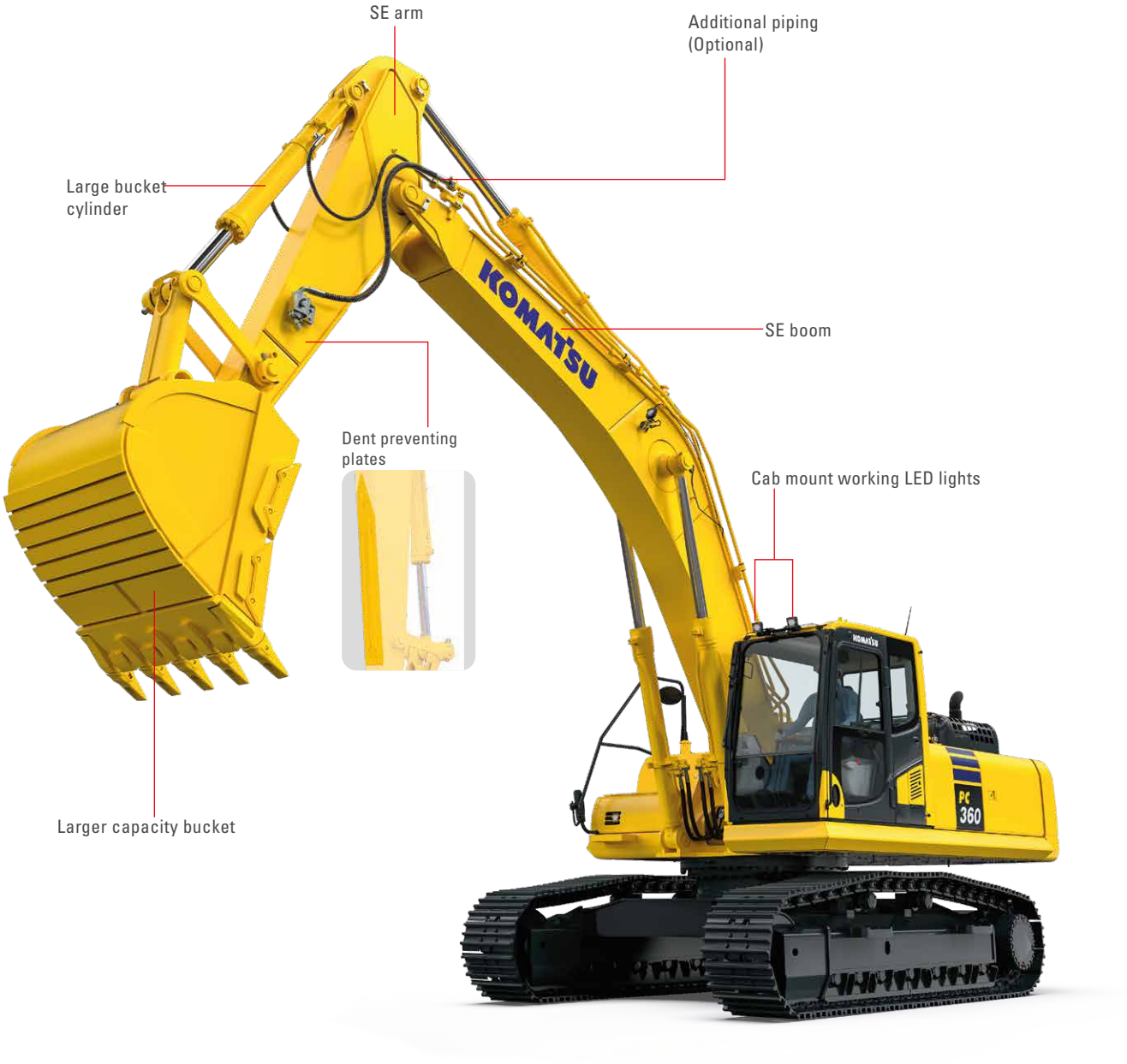
**Corner tooth adapters**

Long life bucket teeth

Lip shrouds

## SE specification

PC360-8M2 SE spec. is equipped with a large reinforced Me bucket for quarrying work. It increases the efficiency of loading a dump truck with large amounts of loose materials such as blasted rock.etc.



# Komatsu brand bucket

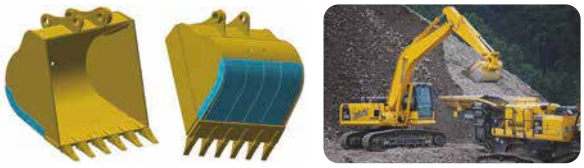
## Komatsu brand bucket for general purpose with wide bucket width

Me bucket
- Low resistant excavation.
- High productivity.
- High durability.
- High fuel efficiency.

Conventional

Me bucket

## Category and Feature

| Category | Load / Wear / Soil (Application) | Image |
|---|---|---|
| **Light duty**<br>LD | **Load**<br>Machine power remains low during the majority of the work.<br>No impact load.<br>**Wear**<br>Material is not abrasive.<br>**Soil**<br>Dirt, loam and clay. |  |
| **General purpose**<br>GP | **Load**<br>Machine power is mostly medium, but occasionally high.<br>Bucket movements are smooth with minor shock load.<br>Bucket penetrates easily.<br>**Wear**<br>Material is lightly abrasive. Some sand may be medium abrasive.<br>**Soil**<br>Mostly loose sand, gravel and finely broken materials. |  |
| **Heavy duty**<br>HD | **Load**<br>Machine power is high during majority of the work.<br>Medium, but continuous shock load.<br>**Wear**<br>Material is abrasive. Light scratch marks can be seen at the bucket.<br>**Soil**<br>Limestone, shot rock, compact mix of sand, gravel and clay. |  |
| **Extra heavy duty**<br>XHD | **Load**<br>Machine power is high during most of the work, often at maximum.<br>Dynamic shock loads are frequent and machine may shake.<br>**Wear**<br>Material is very abrasive. Large scratch marks are visible and, or deform metal.<br>Works within heaps of rock with occasional un-shot rock and rock boulders.<br>**Soil**<br>Granite, basalt, quartz sand, compact and sticky clay. |  |

| PC360-8M2 | | | | | | STD undercarriage | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Boom length m | | | | | | 6.47 | | 6.00 | | 6.00 | |
| Arm length m | | | | | | 3.19 | | 2.22 | | 2.55 | |
| Shoe width mm | | | | | | 600 | 700 | 600 | 700 | 600 | 700 |
| | Width*1 (mm) | Capacity m³ (ISO 7451) | Weight*2 kg | Tooth quantity | Fill % | | | | | | |
| HP | 914 | 1.18 | 1,318 | 4 | 100 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ |
| | 1,219 | 1.7 | 1,610 | 5 | 100 | ○ | ○ | ◎ | ◎ | ◎ | ◎ |
| | 1,372 | 1.96 | 1,933 | 6 | 100 | □ | □ | ◎ | ◎ | ◎ | ◎ |
| | 1,524 | 2.22 | 1,880 | 6 | 100 | ● | ● | ◎ | ◎ | ○ | ○ |
| HPS | 914 | 1.18 | 1,401 | 4 | 100 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ |
| | 1,219 | 1.70 | 1,740 | 5 | 100 | ○ | ○ | ◎ | ◎ | ◎ | ◎ |
| | 1,372 | 1.96 | 1,907 | 6 | 100 | □ | □ | ◎ | ◎ | ◎ | ◎ |
| | 1,524 | 2.22 | 2,049 | 6 | 100 | ● | ● | ◎ | ◎ | ○ | ○ |
| HPX | 914 | 1.18 | 1,504 | 4 | 100 | ■ | ■ | ◎ | ◎ | ◎ | ◎ |
| | 1,219 | 1.70 | 1,875 | 5 | 100 | □ | ○ | ◎ | ◎ | ◎ | ◎ |
| | 1,372 | 1.96 | 2,030 | 6 | 100 | ● | ● | ◎ | ◎ | ◎ | ◎ |
| | 1,524 | 2.22 | 2,169 | 6 | 100 | ● | ● | ○ | ○ | □ | ○ |
| XP | 914 | 1.18 | 1,235 | 4 | 100 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ |
| | 1,219 | 1.70 | 1,469 | 5 | 100 | ○ | ○ | ◎ | ◎ | ◎ | ◎ |
| | 1,372 | 1.96 | 1,600 | 6 | 100 | □ | □ | ◎ | ◎ | ◎ | ◎ |
| | 1,524 | 2.22 | 1,715 | 6 | 100 | ● | ● | ◎ | ◎ | ○ | ○ |
| XPS | 914 | 1.18 | 1,345 | 4 | 100 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ |
| | 1,219 | 1.70 | 1,618 | 5 | 100 | ○ | ○ | ◎ | ◎ | ◎ | ◎ |
| | 1,372 | 1.96 | 1,769 | 6 | 100 | □ | □ | ◎ | ◎ | ◎ | ◎ |
| | 1,524 | 2.22 | 1,904 | 6 | 100 | ● | ● | ◎ | ◎ | ○ | ○ |
| XPSX | 914 | 1.18 | 1,435 | 4 | 100 | ◎ | ◎ | ◎ | ◎ | ◎ | ◎ |
| | 1,219 | 1.70 | 1,708 | 5 | 100 | ○ | ○ | ◎ | ◎ | ◎ | ◎ |
| | 1,372 | 1.96 | 1,987 | 6 | 100 | ● | □ | ◎ | ◎ | ◎ | ◎ |
| | 1,524 | 2.22 | 1,994 | 6 | 100 | ● | ● | ◎ | ◎ | ○ | ○ |
| Maximum load (payload + bucket) kg | | | | | | 4,575 | 4,625 | 6,200 | 6,260 | 5,700 | 5,755 |

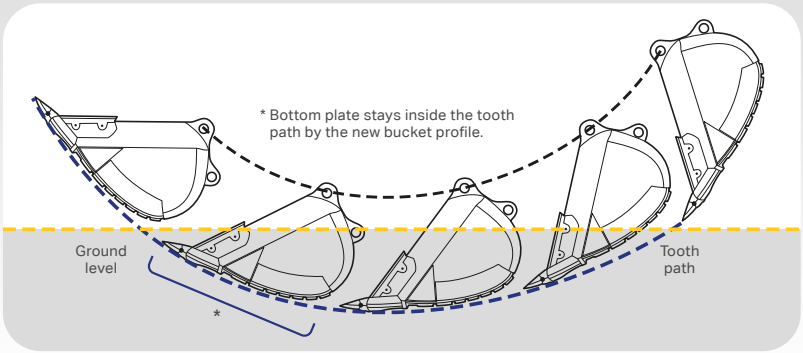
◎ Specific density less than 2.1 t/m³
○ Specific density less than 1.8 t/m³
□ Specific density less than 1.5 t/m³
● Specific density less than 1.2 t/m³

*1 With side cutters or side shrouds, < > without side cutters or side shrouds.
*2 With side cutters.

## Feature of [Me bucket] (More suitable shape and effectiveness bucket)

**•High productivity by low-resistant excavation**

The new Ideal bucket profile produces lower resistance at inside & outside bucket and production will be greatly increased.




## Feature of [PAB tooth] (Pin and bushing system tooth)

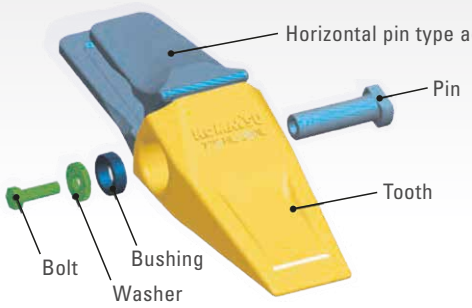
- Able to fit on the bucket with horizontal pin type adapter.
- Easy change-out only with a ratchet wrench.
- Longer tooth life by easy rotation and turnover.
- Durable and reusable PAB pin with flat surface.

Limited to where horizontal pin type tooth is mainly used.

Set PAB tooth to horizontal pin type adapter.

Insert exclusive pin to the adapter pin hole.

Set bushing, washer and bolt and tighten by a ratchet wrench.




### PAB tooth line-up

| Type | Integrated long life | Heavy standard | Heavy rock |
|---|---|---|---|
| | IL | HS | HR |
| Style |  |  |  |

## KPRIME Tooth

### Safety enhancements

- Intuitive locking system.
- Pry slots on tooth and wear cap for easier removal of worn parts.
- Low torque pin for easy tooth changes.
- Weights marked on all parts.

### Productivity

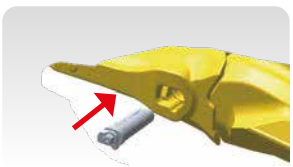
- 10% - 15% increased usable wear material.
- Improved penetration by up to 15%.
- Wear indicators on wear cap and fastener.
- Rotatable tooth for extended life.
- Wear material added to adapter legs for longer wear life.
- Designed to stay sharp for the life of the tooth.

### Reliability

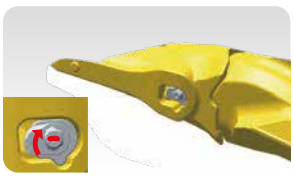
- 10% stronger design reduces breakage.
- Improved pin design prevents unlocking after extended use.
- Optimized design reduces wear on adapters.
- Improved stability through tighter fit design of tooth to adapter.

### Kprime tooth installation

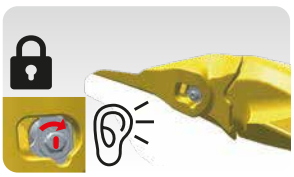
1 Place tooth on Kprime adapter



2 Insert Kprime pin



3 Rotate the pin locking shaft CW90° to lock teeth.



4 'Clack' sound indicates locked position.

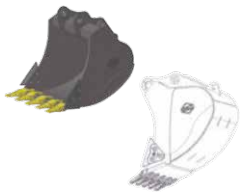
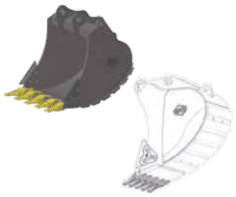
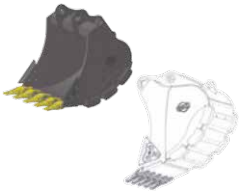
*To remove fasterner, use the correct size socket to rotate the pin locking shaft 90° counter-clockwise. Making sure click sound to finish the removal.

# Hensley brand bucket

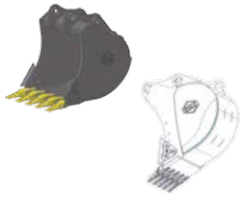
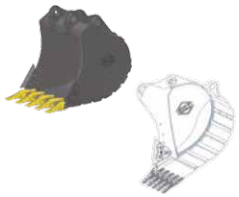
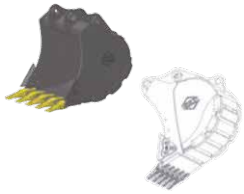
Features the Kprime™ tooth system.
Quality design and construction.
Wide range of styles, widths and capacities, to maximize production.

## Category and Recommended applications guide

HP series buckets feature a dual taper / dual radius design profile and include one-piece blade (T-1), side kick plate (400 BHN), one-piece side plate, lip (T-1), and formed beam upper structure.

| Category | Product features | Recommended application | Image |
|---|---|---|---|
| **Heavy duty**<br>HP | Full bottom wear plate (400 BHN).<br>Strike offs. | Soil/Clay.<br>Loam.<br>Coal Sand.<br>Gravel. |  |
| **Severe duty**<br>HPS | Full bottom wear plate (400 BHN).<br>Wear strips (400 BHN).<br>Strike offs. | High silica sand.<br>Caliche/ sandstone.<br>Well shot limestone.<br>Shale. |  |
| **Extreme duty**<br>HPX | Full bottom wear plate (400 BHN).<br>Wear strips (400 BHN).<br>Cast corner heel shrouds.<br>Strike offs. | Granite.<br>Ore.<br>Limestone.<br>Broken slag. |  |

X series buckets feature a semi flat floor profile and include one-piece blade (T-1), side kick plate (400 BHN), one-piece side plate, lip (T-1), formed beam upper structure and full bottom plate.

| Category | Product features | Recommended application | Image |
|---|---|---|---|
| **Heavy duty**<br>XP | Full bottom wear plate (400 BHN).<br>Strike offs or Reversible vertical shrouds. | Soil/Clay.<br>Loam.<br>Coal Sand.<br>Gravel. |  |
| **Severe duty**<br>XPS | Full bottom wear plate (400 BHN).<br>Wear strips.<br>Strike offs or Reversible vertical shrouds. | High silica sand.<br>Caliche/ sandstone.<br>Well shot limestone.<br>Shale. |  |
| **Extreme duty**<br>XPSX | Full bottom wear plate (400 BHN).<br>Wear strips.<br>Cast corner heel shrouds.<br>Strike offs or Reversible vertical shrouds. | Granite.<br>Ore.<br>Limestone.<br>Broken slag. |  |

## Bucket line-up

| Category | Capacity ($m^3$) | Width*1 (mm) | Weight*2 (kg) | Tooth quantity | Boom + Arm (m) | | |
|---|---|---|---|---|---|---|---|
| | | | | | Standard undercarriage (600 mm shoes) | | |
| | | | | | 6.47+2.22 | 6.47+2.55 | 6.47+3.19 |
| HP | 1.18 | 914 | 1,318 | 4 | ◎ | ◎ | ◎ |
| | 1.7 | 1,219 | 1,610 | 5 | ◎ | ○ | □ |
| | 1.96 | 1,372 | 1,933 | 6 | □ | □ | ● |
| | 2.22 | 1,524 | 1,880 | 6 | □ | ● | X |
| HPS | 1.18 | 914 | 1,401 | 4 | ◎ | ◎ | ◎ |
| | 1.70 | 1,219 | 1,740 | 5 | ◎ | ○ | ● |
| | 1.96 | 1,372 | 1,907 | 6 | □ | □ | ● |
| | 2.22 | 1,524 | 2,049 | 6 | ● | ● | X |
| HPX | 1.18 | 914 | 1,504 | 4 | ◎ | ◎ | ◎ |
| | 1.70 | 1,219 | 1,875 | 5 | ○ | ○ | ● |
| | 1.96 | 1,372 | 2,030 | 6 | □ | ● | ● |
| | 2.22 | 1,524 | 2,169 | 6 | ● | ● | X |
| XP | 1.18 | 914 | 1235 | 4 | ◎ | ◎ | ◎ |
| | 1.70 | 1,219 | 1,469 | 5 | ◎ | ○ | □ |
| | 1.96 | 1,372 | 1,600 | 6 | ○ | □ | ● |
| | 2.22 | 1,524 | 1,715 | 6 | □ | ● | ● |
| XPS | 1.18 | 914 | 1,345 | 4 | ◎ | ◎ | ◎ |
| | 1.70 | 1,219 | 1,618 | 5 | ◎ | ○ | □ |
| | 1.96 | 1,372 | 1,769 | 6 | ○ | □ | ● |
| | 2.22 | 1,524 | 1,904 | 6 | □ | ● | X |
| XPSX | 1.18 | 914 | 1,435 | 4 | ◎ | ◎ | ◎ |
| | 1.70 | 1,219 | 1,708 | 5 | ◎ | ○ | □ |
| | 1.96 | 1,372 | 1,987 | 6 | □ | □ | ● |
| | 2.22 | 1,524 | 1,994 | 6 | □ | ● | X |

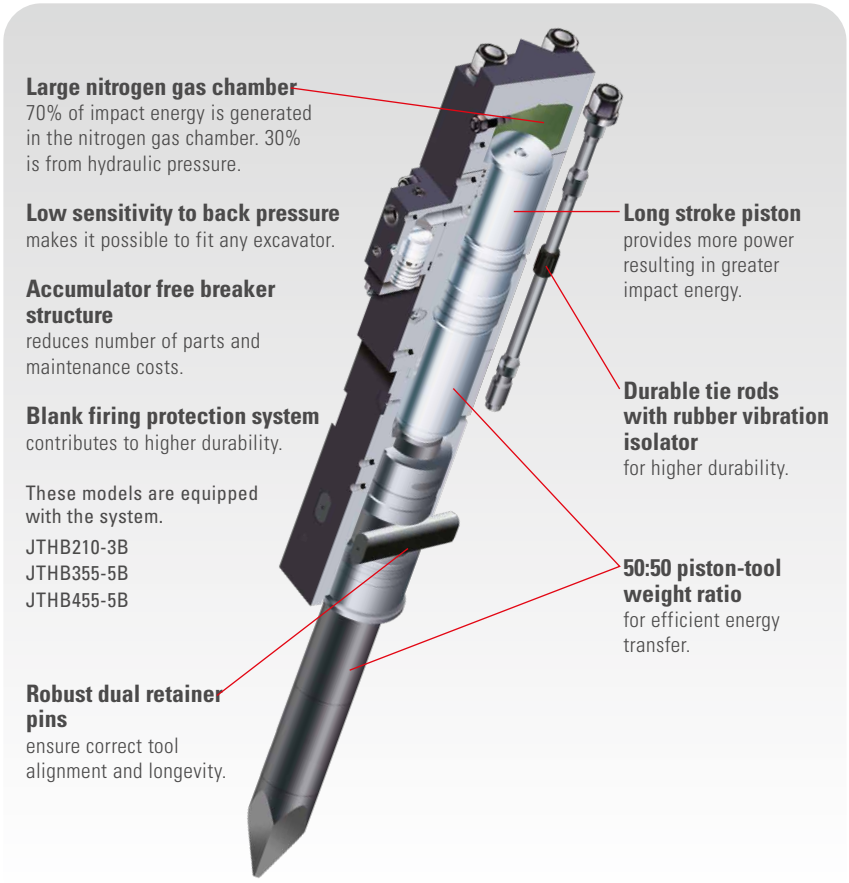
◎:Specific density less than 2.1 t/$m^3$ ○:Specific density less than 1.8 t/$m^3$
□:Specific density less than 1.5 t/$m^3$ ●:Specific density less than 1.2 t/$m^3$ X:Not usable
*1 With side cutters or side shrouds *2 With side cutters

| Category | Feature | Style |
|---|---|---|
| **Flare**<br>F | Loose material for clean bottom and greater fill. |  |
| **Standard**<br>SC | General applications. |  |
| Pick chisel<br>PC | General purpose tooth designed for penetration. |  |
| **Rock chisel**<br>RC | Designed for penetration and longer wear life. |  |
| **Tiger**<br>T | Offers best penetration in tight material. |  |
| **Twin tiger**<br>YT | Designed for penetration for corners. |  |

# Breaker

Komatsu's JTHB breakers deliver exceptional impact energy, offer longevity with low operating costs. Additionally, they minimize operator fatigue and environmental impact. These unique benefits are all due to an innovative blend of a simple yet efficient design and advanced 'accumulator-free' technology. Komatsu breaker, JTHB355-5B is optimum for Komatsu PC300 series and ideal for applications from construction and demolition to recycling, mining and quarrying.

• Innovative features, real benefits

**Large nitrogen gas chamber**
70% of impact energy is generated in the nitrogen gas chamber. 30% is from hydraulic pressure.

**Low sensitivity to back pressure**
makes it possible to fit any excavator.

**Accumulator free breaker structure**
reduces number of parts and maintenance costs.

**Blank firing protection system**
contributes to higher durability.

These models are equipped with the system.
JTHB210-3B
JTHB355-5B
JTHB455-5B

**Long stroke piston**
provides more power resulting in greater impact energy.

**Durable tie rods with rubber vibration isolator**
for higher durability.

**50:50 piston-tool weight ratio**
for efficient energy transfer.

**Robust dual retainer pins**
ensure correct tool alignment and longevity.

| Model | | JTHB355-5B |
|---|---|---|
| Working weight | Top mount box bracket | 2,880 kg |
| Oil flow | | 180 - 230 L/min |
| Operating pressure | | 13 - 18 MPa |
| Impact rate | | 350 - 450 bpm |
| Tool diameter | | Φ155 mm |
| Hose size | | 1 inch |
| N2 gas pressure | | 0.95 MPa |

# Support



## Komatsu total support

Komatsu Distributer is ready to provide variety of support before and after procuring machine to keep customers machine available and minimize operation cost.

## Fleet recommendation

Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

## Product support

Komatsu Distributor secure the quality of machine by offering quality repair and maintenance servises to the customer using Komatsu developed programs.

- Preventive Maintenance (PM) Clinic.
- Komatsu Oil and Wear Analysis (KOWA).
- Undercarriage inspection service, etc.

## Genuine parts and genuine oil

Komatsu Distributor will promptly and smoothly offer genuine parts and genuine oil guaranteed quality to various jobsites. Genuine oil is developed by Komatsu so that it is best matched for our Komatsu engines and hydraulic components. It maximizes engine and hydraulic components performance and prolong life.

## Service contract

Komatsu Distributor offers several service package of repair and maintenance for a contracted period with optimum cost. Customer can be "worry-free" by trusting Komatsu Distributor skilled service.

## Extended warranty

Extended warranty with several options available. Komatsu guarantee skilled repair with genuine parts and protection from unexpected expenses.

## Operator training

Komatsu Distributor can provice excellent operator training which enables them to operate machine safely & efficiently and to maintain machine properly.

# Specifications

## Engine

| | |
|---|---|
| Model | Komatsu SAA6D114E-3 |
| Type | Water-cooled, 4-cycle, direct injection |
| Aspiration | Turbocharged, aftercooled |
| Number of cylinders | 6 |
| Bore | 114 mm |
| Stroke | 135 mm |
| Piston displacement | 8.27 L |
| Engine power | |
| SAE J1995 | Gross 213 kW / 286 hp |
| ISO 14396 | 213 kW / 286 hp |
| ISO 9249 / SAE J1349 | Net 202 kW / 271 hp |
| Rated rpm | 1,950 rpm |
| Fan drive method for radiator cooling | Mechanical |
| Governor | All-speed control, electronic |

U.S. EPA Tier 3 and EU Stage 3A emissions equivalent.

## Hydraulic system

| | |
|---|---|
| Type | HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves |
| Number of selectable working modes | 6 |
| Main pump | |
| Type | Variable displacement piston type |
| Pumps for | Boom, arm, bucket, swing, and travel circuits |
| Maximum flow | 535 L/min |
| Supply for control circuit | Self-reducing valve |
| Hydraulic motors | |
| Travel | 2 x axial piston motor with parking brake |
| Swing | 1 x axial piston motor with swing holding brake |
| Relief valve setting | |
| Implement circuits | 37.3 MPa 380 kgf/cm$^2$ |
| Travel circuit | 37.3 MPa 380 kgf/cm$^2$ |
| Swing circuit | 27.9 MPa 285 kgf/cm$^2$ |
| Pilot circuit | 3.2 MPa 33 kgf/cm$^2$ |
| Hydraulic cylinders (number of cylinders - bore x stroke x rod diameter) | |
| Boom | 2-140 mm x 1,480 mm x 100 mm |
| Arm | 1-160 mm x 1,825 mm x 110 mm |
| Bucket for 3.19 m arm | 1-140 mm x 1,285 mm x 100 mm |
| for 2.55 m and 2.20 m arm | 1-150 mm x 1,285 mm x 110 mm |

## Drives and brakes

| | |
|---|---|
| Steering control | 2 levers with pedals |
| Drive method | Hydrostatic |
| Maximum drawbar pull | 264 kN 26,900 kgf |
| Gradeability | 70%, 35° |
| Maximum travel speed | |
| Lo(Auto-shift) / Mid(Auto-shift) / Hi | 3.2 / 4.5 / 5.5 km/h |
| Service brake | Hydraulic lock |
| Parking brake | Mechanical disc brake |

## Swing system

| | |
|---|---|
| Drive method | Hydrostatic |
| 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 |

## Undercarriage

| | |
|---|---|
| Center frame | X-frame |
| Track frame | Box-section |
| Seal of track | Sealed track |
| Track adjuster | Hydraulic |
| Number of shoes (each side) | |
| PC360-8M2 | 45 |
| Number of carrier rollers (each side) | 2 |
| Number of track rollers (each side) | |
| PC360-8M2 | 7 |

## Coolant and lubricant capacity (refilling)

| | |
|---|---|
| Fuel tank | 605 L |
| Coolant | 31.0 L |
| Engine | 37.0 L |
| Final drive (each side) | 9.0 L |
| Swing drive | 16.5 L |
| Hydraulic tank | 188 L |

## Operating weight (approximate)

Operating weight including 6,470 mm one-piece boom, 3,185 mm arm, heaped 1.40 m$^3$ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

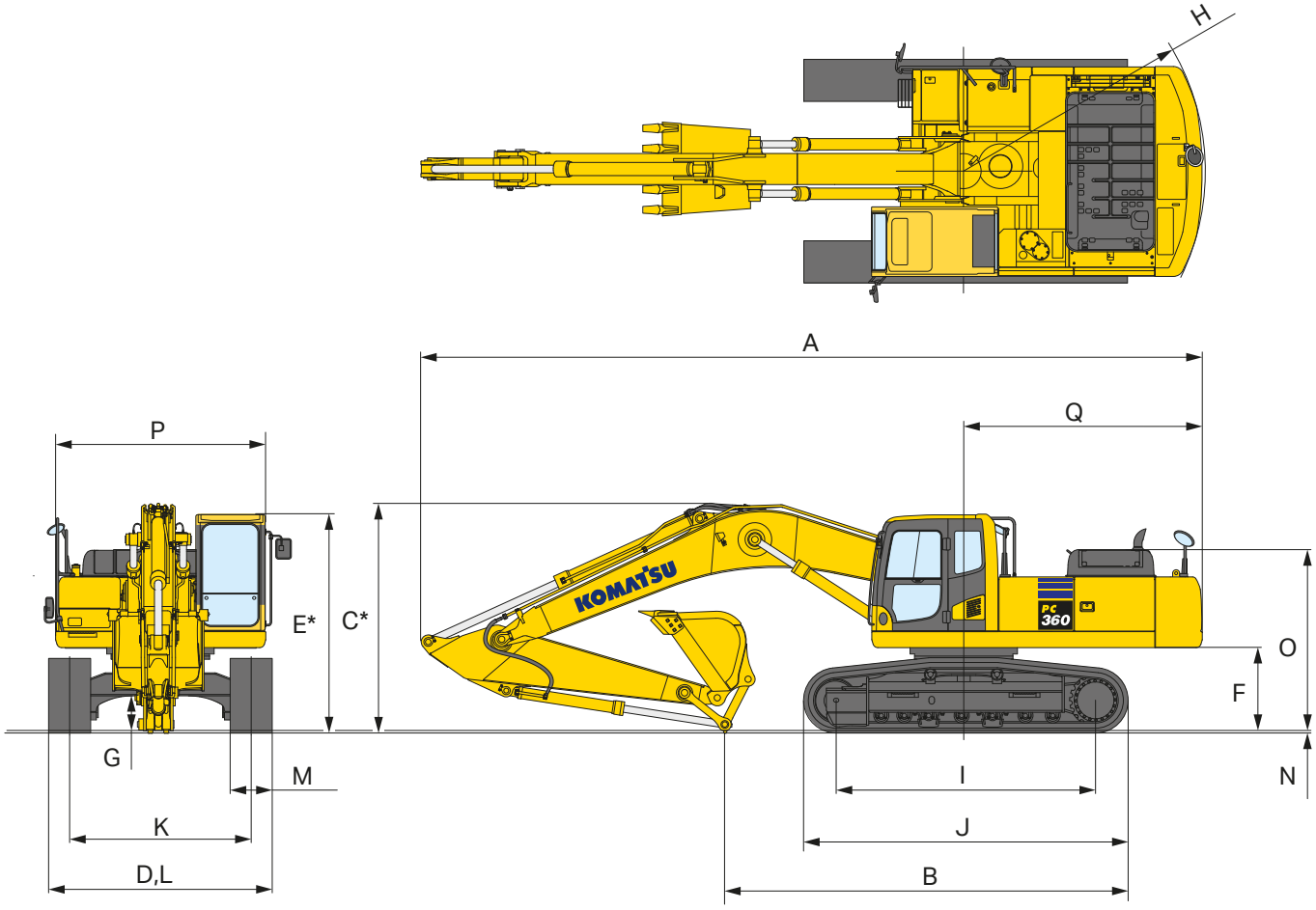
| | PC360-8M2 | |
|---|---|---|
| Shoes | Operating weight | Ground pressure |
| 600 mm | 32,600 kg | 65.7 kPa 0.67 kgf/cm$^2$ |
| 700 mm | 32,960 kg | 57.1 kPa 0.58 kgf/cm$^2$ |

Operating weight including 6,000 mm one-piece boom, 2,550 mm arm, heaped 1.90 m$^3$ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

| | PC360-8M2 SE spec. | |
|---|---|---|
| Shoes | Operating weight | Ground pressure |
| 600 mm | 32,900 kg | 65.7 kPa 0.67 kgf/cm$^2$ |

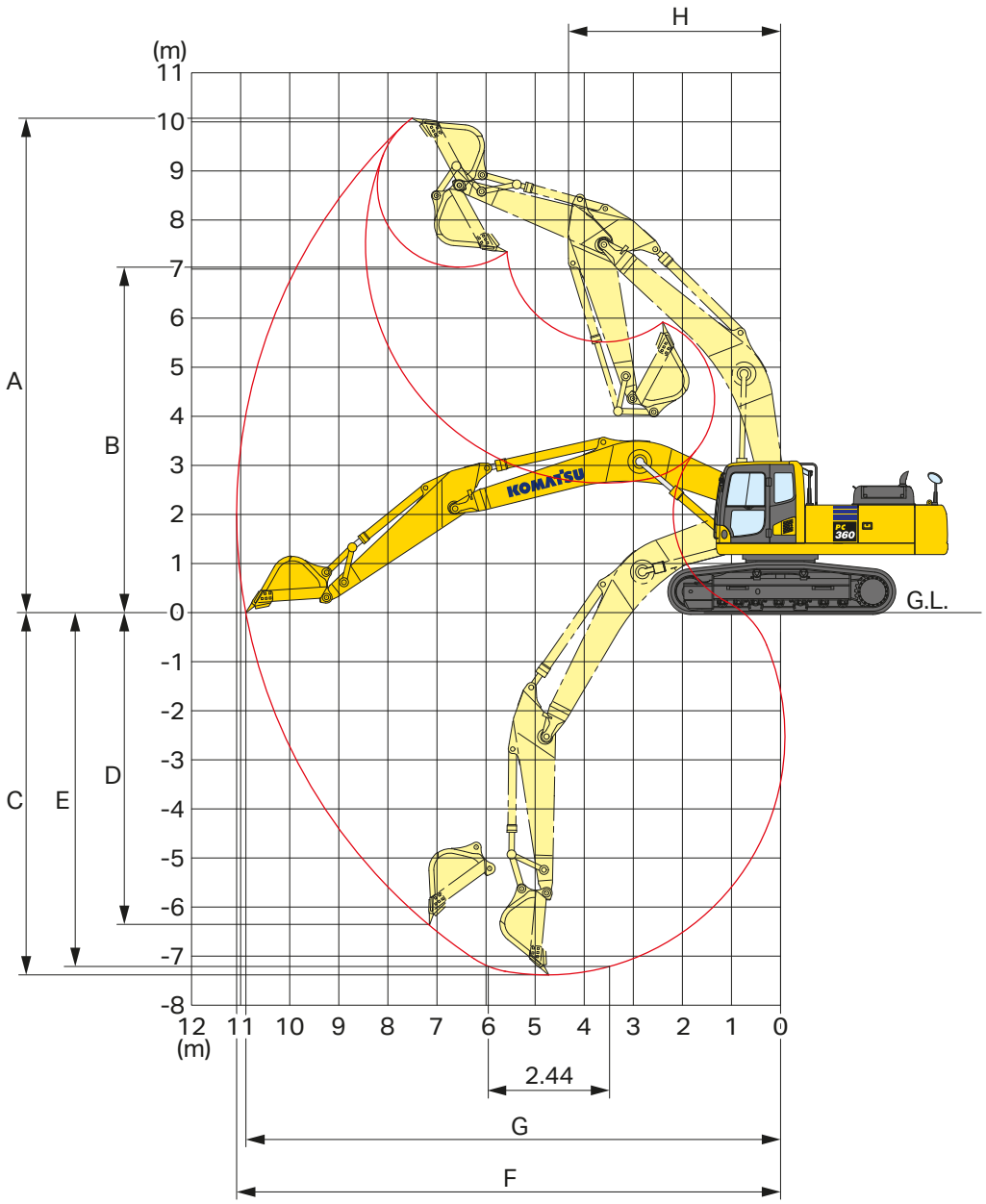
| Machine dimensions | | PC360-8M2 | PC360-8M2 SE spec. | PC360-8M2 SE spec. |
|---|---|---|---|---|
| Boom length. | | 6,470 mm | 6,000 mm | 6,000 mm |
| Arm length. | | 3,185 mm | 2,200 mm | 2,550 mm |
| A | Overall length. | 11,150 mm | 10,835 mm | 10,710 mm |
| B | Length on ground (transport). | 5,755 mm | 6,880 mm | 6,100 mm |
| C | Overall height (to top of boom)*. | 3,285 mm | 3,710 mm | 3,505 mm |
| D | Overall width. | 3,190 mm | 3,190 mm | 3,190 mm |
| E | Overall height (to top of cab)*. | 3,145 mm | 3,145 mm | 3,145 mm |
| F | Ground clearance, counterweight. | 1,185 mm | 1,185 mm | 1,185 mm |
| G | Minimum ground clearance. | 500 mm | 500 mm | 500 mm |
| H | Tail swing radius. | 3,450 mm | 3,450 mm | 3,450 mm |
| I | Length track on ground. | 3,700 mm | 3,700 mm | 3,700 mm |
| J | Track length. | 4,625 mm | 4,625 mm | 4,625 mm |
| K | Track gauge. | 2,590 mm | 2,590 mm | 2,590 mm |
| L | Width of crawler. | 3,190 mm | 3,190 mm | 3,190 mm |
| M | Shoe width. | 600 mm | 600 mm | 600 mm |
| N | Grouser height. | 36 mm | 36 mm | 36 mm |
| O | Machine cab height. | 2,585 mm | 2,585 mm | 2,585 mm |
| P | Machine cab width. | 3,165 mm | 3,165 mm | 3,165 mm |
| Q | Distance, swing center to rear end. | 3,405 mm | 3,405 mm | 3,405 mm |

* Including grouser height.

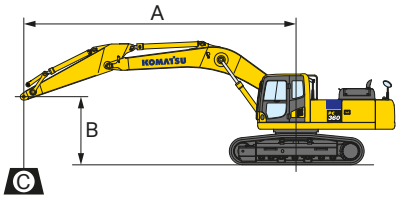


# Specifications

| Working range | PC360-8M2 | PC360-8M2 SE spec. | PC360-8M2 SE spec. |
|---|---|---|---|
| Boom length | 6,470 mm | 6,000 mm | 6,000 mm |
| Arm length | 3,185 mm | 2,200 mm | 2,550 mm |
| A Max. digging height | 10,100 mm | 8,995 mm | 9,525 mm |
| B Max. dumping height | 7,050 mm | 6,200 mm | 6,575 mm |
| C Max. digging depth | 7,380 mm | 5,955 mm | 6,310 mm |
| D Max. vertical wall digging depth | 6,400 mm | 4,640 mm | 5,625 mm |
| E Max. digging depth of cut for 2,440 mm level | 7,180 mm | 5,705 mm | 6,115 mm |
| F Max. digging reach | 11,100 mm | 9,620 mm | 10,065 mm |
| G Max. digging reach at ground level | 10,920 mm | 9,410 mm | 9,860 mm |
| H Min. swing radius | 4,435 mm | 4,080 mm | 4,065 mm |
| Bucket digging force (ISO 6015) | 228 kN | 259 kN | 259 kN |
| Arm crowd force (ISO 6015) | 171 kN | 235 kN | 201 kN |



# Lifting capacity




**PC360-8M2**

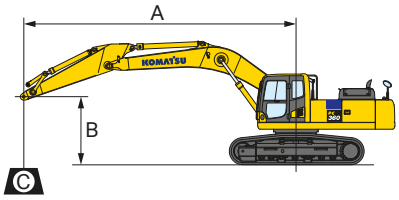
A: Reach from swing center.
B: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
☢: Rating at maximum reach.

**PC360-8M2** Boom: 6,470 mm Arm: 3,185 mm Without bucket Shoe: 600 mm triple grouser

| A / B | MAX | ☢ MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| **7.5 m** | **7.61 m** | *6,800 kg | 6,200 kg | | | *7,500 kg | 6,350 kg | | | | | | |
| **6.0 m** | **8.51 m** | 6,600 kg | 5,050 kg | | | 8,300 kg | 6,300 kg | | | | | | |
| **4.5 m** | **9.07 m** | 6,250 kg | 4,400 kg | 6,350 kg | 4,450 kg | 8,550 kg | 6,100 kg | *10,200 kg | 8,650 kg | | | | |
| **3.0 m** | **9.36 m** | 5,850 kg | 4,100 kg | 6,200 kg | 4,350 kg | 8,250 kg | 5,800 kg | 11,550 kg | 8,100 kg | *15,750 kg | 12,300 kg | | |
| **1.5 m** | **9.40 m** | 5,700 kg | 3,950 kg | 6,050 kg | 4,200 kg | 7,950 kg | 5,550 kg | 11,100 kg | 7,600 kg | 17,450 kg | 11,400 kg | | |
| **0 m** | **9.19 m** | 5,800 kg | 4,000 kg | 5,950 kg | 4,150 kg | 7,750 kg | 5,350 kg | 10,750 kg | 7,300 kg | 17,000 kg | 11,000 kg | | |
| **–1.5 m** | **8.71 m** | 6,200 kg | 4,300 kg | | | 7,650 kg | 5,250 kg | 10,600 kg | 7,150 kg | 16,950 kg | 10,900 kg | *12,950 kg | *12,950 kg |
| **–3.0 m** | **7.93 m** | 7,150 kg | 4,950 kg | | | 7,700 kg | 5,300 kg | 10,650 kg | 7,200 kg | 15,100 kg | 11,050 kg | *19,600 kg | *19,600 kg |
| **–4.5 m** | **6.72 m** | *7,600 kg | 6,400 kg | | | | | *9,100 kg | 7,400 kg | *11,950 kg | 11,350 kg | *14,900 kg | *14,900 kg |

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

# PC360-8M2




## PC360-8M2 SE Spec.

A: Reach from swing center.
B: Arm top pin height.
C: Lifting capacity.
Cf: Rating over front.
Cs: Rating over side.
☢: Rating at maximum reach.

**PC360-8M2 SE spec.** Boom: 6,000 mm Arm: 2,200 mm Without bucket Shoe: 600 mm triple grouser

| A / B | MAX | ☢MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.5 m | 5.70 m | *11,150 kg | 9,950 kg | | | | | | | | | | |
| 6.0 m | 6.86 m | 10,100 kg | 7,300 kg | | | | | *11,050 kg | 9,050 kg | | | | |
| 4.5 m | 7.55 m | 8,550 kg | 6,100 kg | | | 8,650 kg | 6,200 kg | *11,850 kg | 8,700 kg | *15,050 kg | 13,450 kg | | |
| 3.0 m | 7.89 m | 7,800 kg | 5,550 kg | | | 8,450 kg | 6,000 kg | 11,800 kg | 8,250 kg | *17,550 kg | 12,400 kg | | |
| 1.5 m | 7.94 m | 7,600 kg | 5,400 kg | | | 8,250 kg | 5,850 kg | 11,400 kg | 7,900 kg | 17,850 kg | 11,750 kg | | |
| 0 m | 7.69 m | 7,900 kg | 5,550 kg | | | 8,150 kg | 5,750 kg | 11,200 kg | 7,700 kg | 17,650 kg | 11,600 kg | | |
| –1.5 m | 7.11 m | 8,800 kg | 6,150 kg | | | | | 11,200 kg | 7,700 kg | *16,200 kg | 11,650 kg | *18,600 kg | *18,600 kg |
| –3.0 m | 6.12 m | *9,500 kg | 7,700 kg | | | | | *9,800 kg | 7,900 kg | *13,000 kg | 11,900 kg | *15,150 kg | *15,150 kg |

**PC360-8M2 SE spec.** Boom: 6000 mm Arm: 2550 mm Without bucket Shoe: 600 mm triple grouser

| A / B | MAX | ☢MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| 7.5 m | 6.29 m | *9,850 kg | 8,550 kg | | | | | *10,450 kg | 9,300 kg | | | | |
| 6.0 m | 7.36 m | 9,100 kg | 6,550 kg | | | | | *10,600 kg | 9,200 kg | | | | |
| 4.5 m | 8.00 m | 7,850 kg | 5,650 kg | | | 8,700 kg | 6,250 kg | *11,500 kg | 8,850 kg | *14,400 kg | 13,700 kg | | |
| 3.0 m | 8.33 m | 7,250 kg | 5,200 kg | | | 8,500 kg | 6,100 kg | 11,950 kg | 8,400 kg | *17,100 kg | 12,700 kg | | |
| 1.5 m | 8.37 m | 7,100 kg | 5,050 kg | | | 8,300 kg | 5,900 kg | 11,500 kg | 8,000 kg | 18,050 kg | 11,950 kg | | |
| 0 m | 8.13 m | 7,300 kg | 5,200 kg | | | 8,150 kg | 5,750 kg | 11,250 kg | 7,800 kg | 17,750 kg | 11,700 kg | | |
| –1.5 m | 7.59 m | 8,050 kg | 5,650 kg | | | 8,150 kg | 5,750 kg | 11,200 kg | 7,700 kg | *16,900 kg | 11,700 kg | *17,400 kg | *17,400 kg |
| –3.0 m | 6.68 m | *9,050 kg | 6,850 kg | | | | | *10,750 kg | 7,850 kg | *14,100 kg | 11,850 kg | *17,300 kg | *17,300 kg |
| –4.5 m | 5.17 m | *7,250 kg | *7,250 kg | | | | | | | *8,800 kg | *8,800 kg | | |

# Standard and optional equipment

## Standard equipment

**Engine:**
- Air pre-cleaner.
- Automatic engine warm-up system.
- Compliant Bio diesel fuel.
- Dry type air cleaner, double element.
- Engine, Komatsu SAA6D114E-3.
- Engine overheat prevention system.
- Radiator and oil cooler dust proof net.
- Suction fan.

**Electrical system:**
- Alternator, 24 V/60 A.
- Auto-decelerator.
- Batteries, 2 X 12 V/126 Ah.
- Battery disconect switch with system operating lamp.
- Starting motor, 24 V/7.5 kW.
- Working LED light, 2 (Boom and RH).
- Front LED light, 2 (Cab).

**Hydraulic system:**
- Arm holding valve.
- Inline filter.
- Boom holding valve.
- Clogging sensor for hydraulic oil return filter.
- Power maximizing system.
- Pressure Proportional Control (PPC) hydraulic control system.
- Two-mode settings for boom.
- Working mode selection system.
- Service valve.

**Guards and covers:**
- Fan guard structure.
- Revolving frame deck guard.

**Undercarriage:**
- Hydraulic track adjusters (each side).
- Track roller, 7 each side (PC360-8M2).
- Track roller guards (full length).
- 600 mm triple grouser shoes (PC360-8M2).

**Operator environment:**
- 12V power supply.
- A/C with defroster.
- Equipment management monitoring system.
- Cab with 2-piece pull up front window.
- Large multi-lingual high resolution LCD monitor.
- Rear view mirror, RH, LH, rear, sidewise.
- ROPS cab (ISO 12117-2).
- Seat belt, retractable.
- Sun roller blind.
- Skylight.
- Suspension seat.

**Work equipment:**
- 3,185 mm arm assembly, heavy duty.
- 6,470 mm boom assembly, heavy duty.

**Other:**
- Blow-by sensor.
- Counterweight.
- Electric horn.
- Electric priming pump.
- Komtrax (Only for approved area).
- Rear reflector.
- Slip-resistant plates.
- Travel alarm.

## Optional equipment

**Engine:**
- Additional filter system for poor-quality fuel (Water separator).
- Large capacity fuel pre-filter.

**Electrical system:**
- Batteries, large capacity, 2 X 12 V/140Ah.
- Maintenance free batteries, large capacity, 2 X 12 V/136 Ah.
- Starting motor, 24 V/11.0 kW.
- Amber beacon lamp on cab roof.

**Hydraulic system:**
- Attachment piping & pilot filter.
- Clogging sensor for breaker return filter.

**Undercarriage:**
- Track guiding guard, center section.
- Track frame undercover.
- 700 mm triple grouser shoes (PC360-8M2).

**Operator environment:**
- Cab with fixed front window.
- Rain visor.
- Fixed skylight and sunshade.
- Bolt-on top guard, OPG top guard level 2 (ISO 10262).
- Cab front full height guard, OPG level 1 (ISO 10262).
- Cab front full height guard, OPG level 2 (ISO 10262).
- Cab front half height guard.
- Multifunction audio (coming soon).
- Rear view monitor system.

**Other:**
- Fuel refill pump.

Further equipment on request
This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
Materials and specifications are subject to change without notice.

• Cab front full height guard level 1 (ISO 10262)

• Cab front full height guard level 2 (ISO 10262)

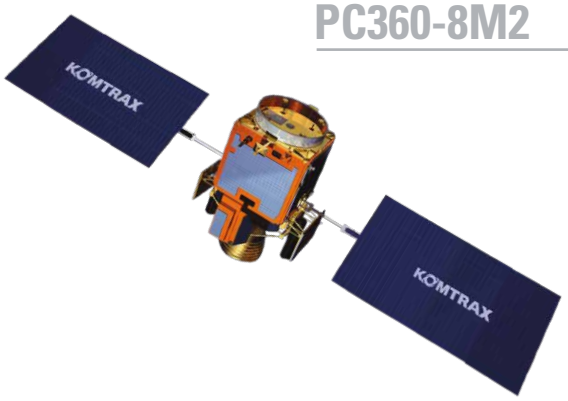
*LED is standard equipment for working lights.

• OPG top guard level 2 (ISO 10262)

• Strengthened track frame undercover

# Satellite monitoring system

KOMTRAX




Komtrax is a revolutionary tracking system designed to save time and money. Nowadays, the equipment can be tracked anytime and anywhere. This valuable data, received via the KOMTRAX website, can be used to optimize planning of the movements and performance of the equipment.

**Location**
Komtrax uses a satellite positioning network to inform the location of the equipment.

**Geofence**
In partnership with their Komatsu Distributor, owners can create virtual fences (Geo) to receive alerts when the equipment enters or leaves the designated range for operations.

**Service meter reading**
Daily report of the equipment's working hours, which allows planning maintenance and replacement of components.

**Komtrax operation maps**
In the operation maps you can check the times of the day when the equipment is in operation and if the workers are performing their duties in the stipulated times.

**Fuel measurement level**
Shows the amount of fuel at the end of the working day.

**Water temperature daily record**
Constant record of the increase of engine water temperature with a daily report at the end of the day.

**Cautions**
If a light turns on in the cab of the equipment, it indicates that a problem occurs. From the website of the application you can check the reason for the problem, the time it occurred and a record number will be generated.

**Abnormality codes**
Abnormality codes are transmitted to the Komatsu Distributor for troubleshooting before technicians arrive at the workplace. An email notification is also sent with the code of what happened.

**Notice of maintenance replacement**
The system generates alerts to inform that the equipment requires replacement of elements like filters and oil.

**Equipment key hours**
Detailed information on key equipment hours such as excavation, travel, unloading and elevation. This can help to monitor and compare equipment performance, in addition to working hours and idle times.

**Loading frequency**
Information on the load factor of the equipment to know if it is performing in a light, medium or heavy work.

**Fuel consumption**
On new Komatsu equipment, you can get the actual status of the fuel gallons consumed, besides an average of the fuel spent per hour during the period of operation.

**Monthly and annual data reports**
Komtrax generates summaries of all critical system data to help with analysis of fleet utilization, equipment scheduling, future equipment purchases, labor costs, etc.

Check with your Komatsu distributor for the information available for your model and service availability in your country.

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