KOMATSU

# PC230F-11

Tier 4 Final engine


Photo may include optional equipment

**Net horsepower**
197 HP (147 kW) @ 2,050 rpm

**Operating weight**
67,516 lbs. (30,625 kg)

# Walk-around

Efficiency

Reliability

Productivity

**Net horsepower**
197 HP (147 kW) @ 2,050 rpm

**Operating weight**
67,516 lbs. (30,625 kg)


## Performance, reliability and durability

Rugged Komatsu-designed front work equipment, high and wide undercarriage and powerful swing system designs deliver high performance in demanding processing and road building applications. A fully-certified forestry cab with all LED lighting provides a comfortable operator working environment. Enhanced controller logic and new Tier 4 Final engine technology deliver excellent performance and fuel efficiency.

# New features


## Tier 4 engine increased power (197 HP)

- Auto Power Max function
- Forestry wide fin coolers
- Double capacity fuel tank

## Improved cooler compartment sealing

## Forestry cab with expansive view

- Bluetooth radio
- Premium heated and cooled seat
- 1.26 in (32 mm) polycarbonate front window
- Four-point harness seat belt
- Komtrax (gateway controller)
- Adjustable arm rests
- Front and rear sunshades


## Purpose-built work equipment

## Processor provisions

## Heavy-duty forestry idler cushions

## Factory single piece ski-type roller

## Large-capacity tool box

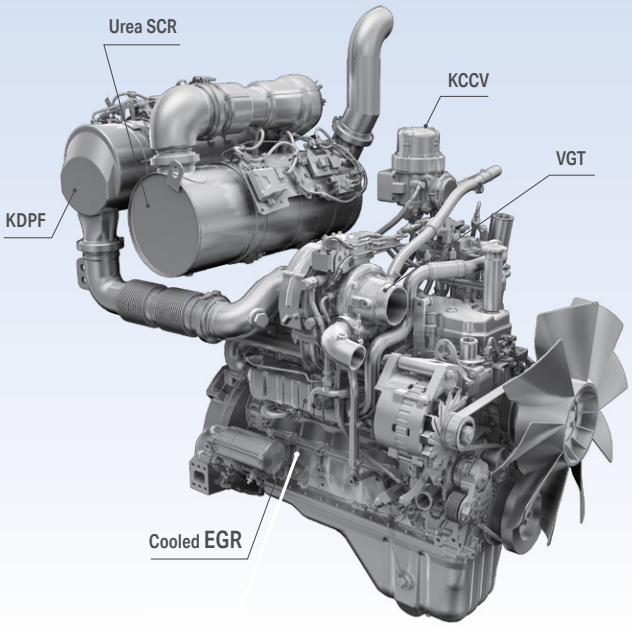

All comparisons are made with respect to the prior Komatsu model unless otherwise specifically stated.
Photos may include optional equipment. PC230F-11 shown includes Southstar QS500 processing head

# Performance features

## Komatsu new engine technologies

### New Tier 4 Final engine

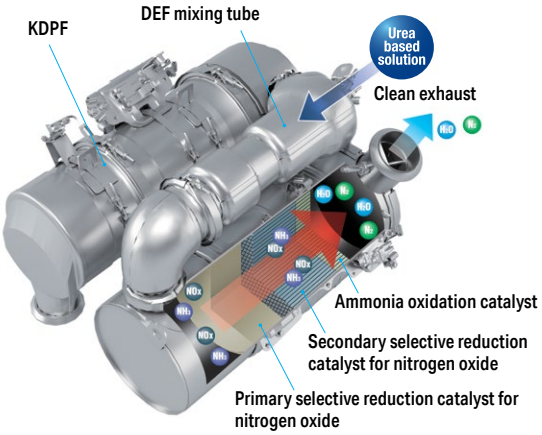
The Komatsu SAA6D107E-3 engine is EPA Tier 4 Final emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces nitrogen oxides by more than 80% when compared to Tier 4 interim levels. Through the in-house development and production of engines, electronics and hydraulic components, Komatsu has achieved great advancements in technology, providing high levels of performance and efficiency in virtually all applications.




## Technologies applied to new engine

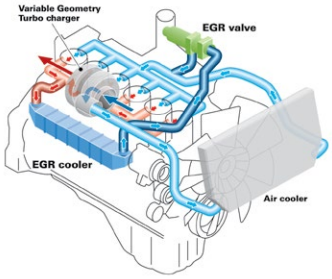
### Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) and selective catalytic reduction (SCR). The SCR nitrogen oxide reduction system injects the correct amount of diesel exhaust fluid (DEF) at the proper rate, thereby decomposing nitrogen oxide into non-toxic water vapor and nitrogen gas.




### Heavy-duty cooled exhaust gas recirculation (EGR) system

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

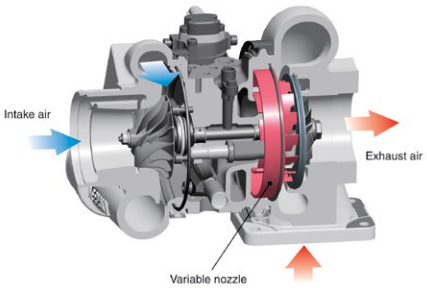



### Advanced electronic control system

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

## Variable geometry turbocharger (VGT) system

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



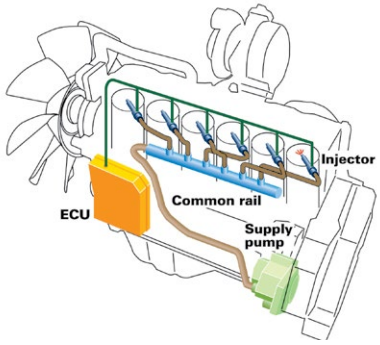

## KDPF regeneration logic

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

Aftertreatment device regeneration screen

## Heavy-duty high-pressure common rail (HPCR) fuel injection system

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




## Komatsu Auto Idle Shutdown

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

# Performance features

## Heavy-duty undercarriage and work equipment

The PC230F-11 utilizes a heavy-duty high and wide undercarriage and a heavy 11,023 lbs. (5,000 kg) counterweight to provide excellent stability and lift capacity. Heavy-duty forestry processor front work equipment delivers high productivity, reliability and durability.


## High maximum drawbar pull

PC240LC-class final drives provide excellent maneuverability. **Maximum drawbar pull:** 47,659 lbf. (210 kN, 21,618 kgf)

## Increased work efficiency

**Lifting mode/Power Max**

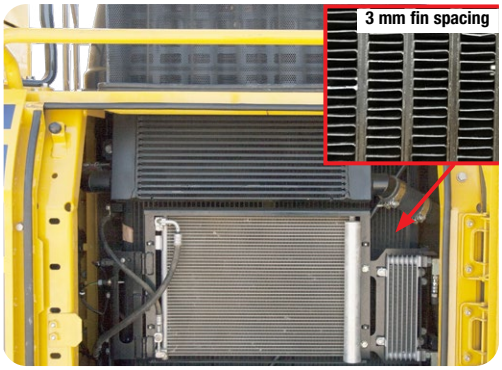
When lifting mode or Power Max is selected, the lift capacity is increased 7% by raising the hydraulic pressure.

## Rugged swing system

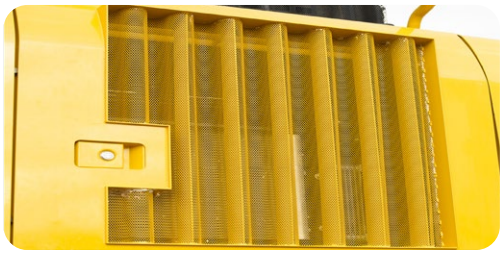
The PC240LC-class swing motor and drive produces 58,334 ft-lbs. (8,065 kg-m) of swing torque for demanding swing applications and high productivity.

## High performance forestry cooling system with:

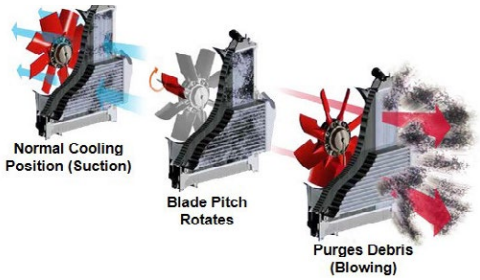
**1) Robust bar and plate, wide fin single radiator (3 mm), hydraulic oil cooler and charge air cooler cores**
Reduces clogging for improved productivity and reliability.




**2) Sealed and screened air intake door**
All air must pass through fine mesh screens which removes debris prior to contacting the cooler cores. Waffle screen design maximizes air flow, reduces debris accumulation and minimizes cleaning time.



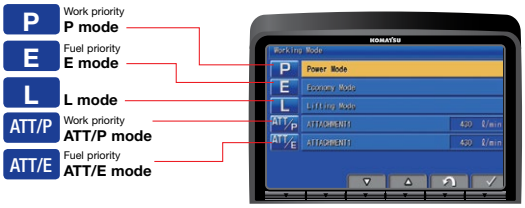
**3) Variable pitch reversing fan**
Reduces debris build-up and horsepower consumption. Variable blade pitch control automatically manages airflow direction and volume to deliver only as much airflow as needed. Reverses airflow every 20 minutes to purge debris (plus has a manual override).




## Working mode selection

The PC230F-11 is equipped with five working modes (P, E, L, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow and system pressure to the application. The Attachment Economy mode (ATT/E) allows operators to run attachments while in Economy mode.

| | | |
|---|---|---|
| **P** | Power mode | •Maximum production/power<br>•Fast cycle times |
| **E** | Economy mode | •Good cycle times<br>•Better fuel economy |
| **L** | Lifting mode | •Increases hydraulic pressure |
| **ATT/P** | Attachment Power mode | •Optimum engine rpm, hydraulic flow, two-way<br>•Power mode |
| **ATT/E** | Attachment Economy mode | •Optimum engine rpm, hydraulic flow, two-way<br>•Economy mode |

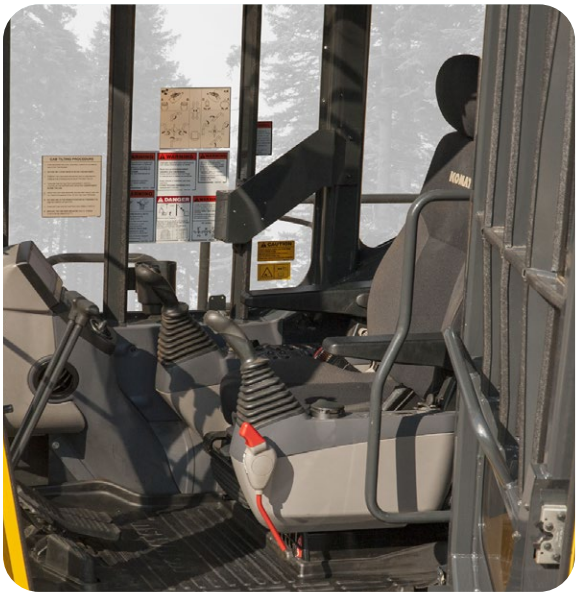



## Rugged work equipment

Booms and arms are constructed with thick plates of high tensile strength steel. Processor front is designed with large one piece steel castings in the boom foot, the boom tip and the arm tip. The result is work equipment that exhibits long term durability and high resistance to bending and torsional stress.

# Working environment


**Forestry processing applications are a challenging task in often difficult environments, and Komatsu forestry excavators are built specifically to tackle these situations. Rugged front work equipment, high and wide undercarriage, powerful swing system and special cooling system promote high performance in demanding processing applications.**



## Comfortable working space

### Komatsu ROPS/OPS/FOPS/TOPS/WCB/FOG/Oregon OSHA certified forestry cab

The wide spacious cab includes a heated air suspension seat with reclining backrest. The seat height and position are easily adjusted using a pullup lever. The armrest position is easily adjusted together with the console. Reclining the seat further enables it to be fully laid back with the headrest attached.

- Available with a 7" (178 mm) fixed riser
- Seven powerful LED working lights are standard
- 7/8" (22 mm) thick polycarbonate front window is standard

Cab with 7" (178 mm) riser

### Comfortable, precise attachment controls

Control levers have pilot proportional controls (PPC) with electronic-proportional control (EPC) sliding buttons for smooth and precise grapple and bucket thumb control. Processor with a QS500 Southstar head has comfortable Sure Grip™ control handles.

QS500 processor with Sure Grip™

### Low cab noise and vibration

The cab design is highly rugged and has excellent sound absorption ability to generate low noise levels similar to that of a modern automobile. Viscous cab floor mounts for the seat platform incorporate a long stroke and a spring to reduce vibration at the operator's seat.

### Automatic air conditioner and heater

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


### Additional standard equipment

Stereo radio and ashtray

Auxiliary input jack

12 V outlets and magazine box

24 V outlet and cigarette lighter

Large skylight

Spacious toolbox

# Working environment


## Monitor panel interface design

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

### Indicators

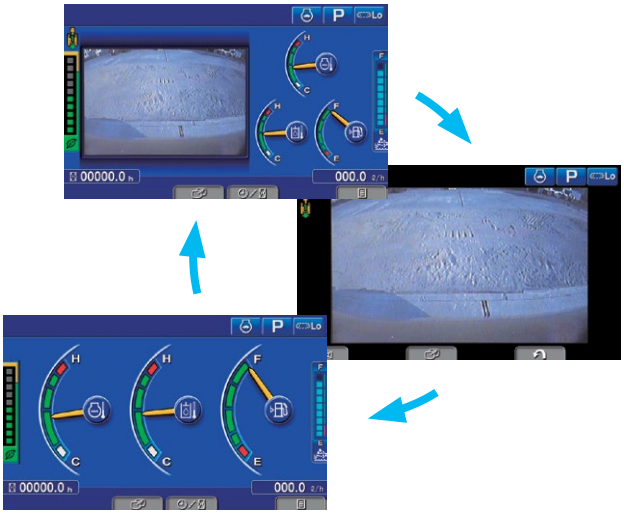
1. Auto-decelerator
2. Working mode
3. Travel speed
4. Ecology gauge
5. Camera display
6. Engine coolant temperature gauge
7. Hydraulic oil temperature gauge
8. Fuel gauge
9. DEF level gauge
10. Service meter, clock
11. Fuel consumption gauge
12. Guidance icon
13. Function switches
14. Camera direction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

### Basic operation switches

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

## Switchable display modes

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



## Visual user menu

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


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

## Support efficiency improvement

### Ecology guidance

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

### Ecology gauge and fuel consumption gauge

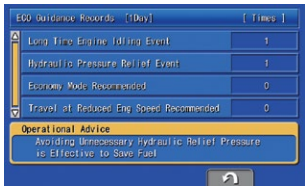
The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.


### Operation record, fuel consumption history and ecology guidance record

The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu, using a single touch, thus assisting operators with reducing total fuel consumption.

Operation record

Fuel consumption history



Ecology guidance record

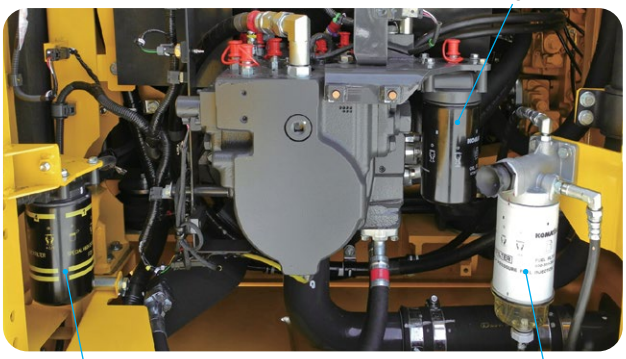
## Operator identification function

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


# Maintenance features

## Centralized engine check points

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




## High-efficiency fuel filter and pre-filter with water seprator

## Easy fuel priming pump

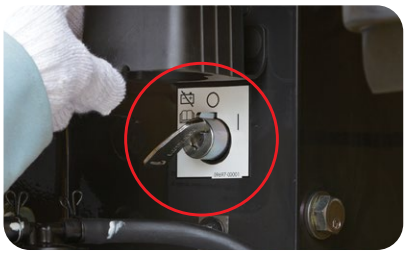
## Fuel pre-filter with water separator

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

## Sealed and screened air intake door

## Battery disconnect switch

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



## Easy to access air conditioner filter

## Sloping track frame for reduced debris buildup

## Large right-hand front storage space

## Excellent engine access

Large rear opening hood, service platform and slip-resistant plates provide excellent maintenance and service access to key engine components.

## 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.

| | |
|---|---|
| Engine oil and Engine oil filter | every **500** hours |
| Hydraulic oil | every **5000** hours |
| Hydraulic oil filter | every **1000** hours |

Hydraulic oil filter
(Ecology white element)

## Large capacity air cleaner

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

## Diesel exhaust fluid (DEF) tank

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

## Maintenance information

**"Maintenance time caution lamp" display**

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

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

Maintenance screen

**Manual stational regeneration**

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

Soot level indicator

Aftertreatment device regeneration screen

**Supports the DEF level and refill timing**

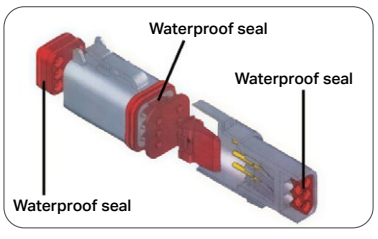
The DEF level gauge is displayed continuously on the right side of the monitor screen. In addition, when DEF level is low, DEF low level guidance messages appear in pop up displays to inform the operator in real time.

DEF level gauge

DEF low level guidance

## DT-type connectors

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



# General features

### Rugged, purpose-built, high and wide forestry undercarriage

The rugged undercarriage is designed from the ground up for demanding forestry applications using components from the larger size class excavator for high reliability and durability.

- Heavy-duty one-piece design carbody with integrated tow points and transportation tie-downs
- 27" (716 mm) ground clearance and 10.9 ft (3,327 mm) transport width
- PC240LC-class final drives generate 42,659 lbf (21,618 kgf) of drawbar pull
- PC240LC-class track components with 8.0" pitch track
- Two heavy-duty carrier rollers with double support mounts and roller wipers prevent debris buildup; 10 heavy-duty track rollers (each side)
- Idlers have high capacity recoil springs and stiffener side brackets
- Full length "ski-type" track roller guards protect the rollers, minimize track twisting and improve track component durability in demanding forestry applications

### Right hand front corner guard

The right hand front corner is protected by a rugged guard with a tree deflector and a protected LED light. The guard protects to the edge of the grip strut walkway. The tree deflector can be rotated into a transport position.

### Heavy-duty compartment doors and covers

For added protection, all compartment doors and covers are 1/4" (6mm) thick, more than three times thicker than on comparable-size Komatsu excavators.


### Heavy-duty upper structure bottom guard (optional)

The upper structure bottom has heavy-duty 3/8" (9 mm) thick removeable service access panels which are one and a half times thicker than on comparable-size Komatsu excavators.

### Protective forest debris screens

Engine hood, side access door and exhaust outlet cover screens provide added engine protection.

### Grip strut walkways and handrails

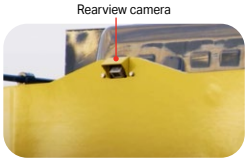
Full length grip strut walkways and upper structure handrails provide a convenient work area along both sides of the machine for maintenance and service.

### All LED working lights

All cab and work equipment lights are LED and provide brilliant illumination in low light conditions for improved productivity (11 lights on the log loader; 10 lights on the processor and road builder).

### Rearview monitoring system

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




## 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 Komatsu-trained 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*

# Komatsu helps you bring it all together

## Get the most out of your fleet with 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.

**Storage**
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.

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

*mykomatsu.komatsu*

## 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.

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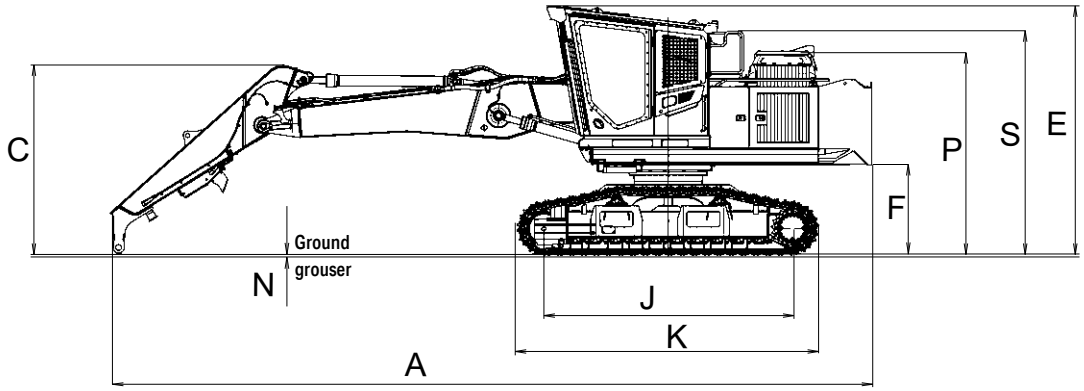
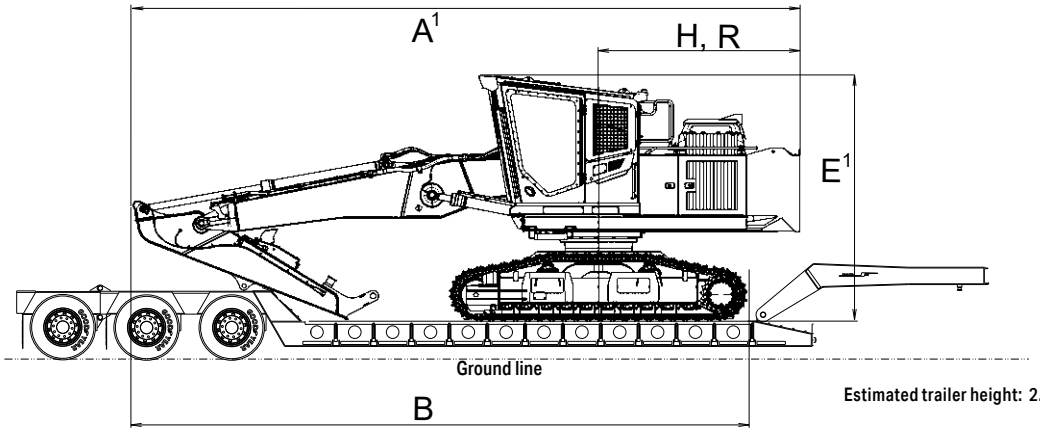
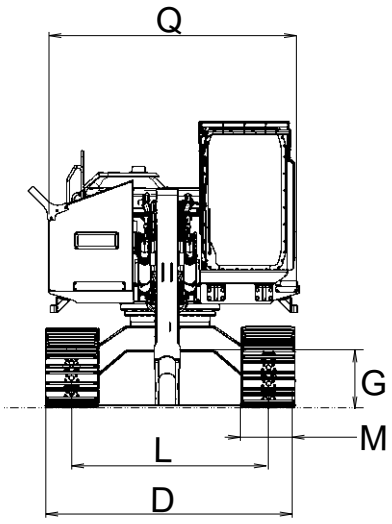
# Dimensions - processor (with straight-boom & auxiliary fuel tank)




Estimated trailer height: 2.0 ft. (610 mm)




## Dimensions

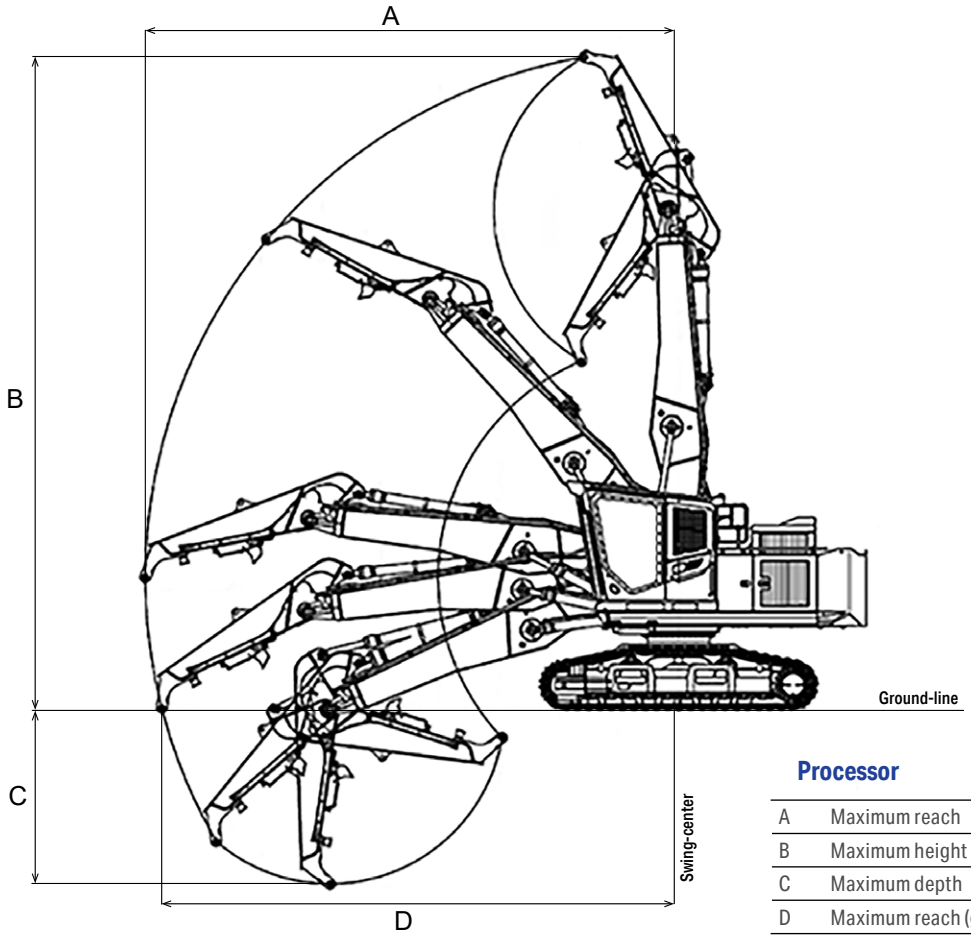
| | | |
|---|---|---|
| A | Overall length | 38.5 ft. (11,741 mm) |
| A1 | Overall length (transport) | 34.2 ft. (10,415 mm) |
| B | Length on ground (transport) | 31.5 ft. (9,594 mm) |
| C | Overall height (top of arm) | 9.5 ft. (2,895 mm) |
| D | Overall width (high and wide) | 10.9 ft. (3,327 mm) |
| E | Overall height (top of cab) | 12.5 ft. (3,802 mm) |
| E1 | Overall height (transport) | 12.6 ft. (3,837 mm) |
| F | Ground clearance (revo frame) | 4.5 ft. (1,363 mm) |
| G | Ground clearance (track frame) | 2.3 ft. (716 mm) |
| H | Tail swing radius | 10.7 ft. (3,240 mm) |
| J | Track length on ground | 12.6 ft. (3,845 mm) |
| K | Track length | 15.3 ft. (4,673 mm) |
| L | Track gauge | 8.6 ft. (2,627 mm) |
| M | Shoe width | 2.3 ft. (700 mm) |
| N | Grouser height | 1 in (35 mm) |
| P | Machine height (hood) | 10.3 ft. (3,115 mm) |
| Q | Machine width | 10.7 ft. (3,342 mm) |
| S | Machine height (top of handrail) | 11.3 ft. (3,427 mm) |

# Lifting capacity with lifting mode - processor (with auxiliary fuel tank)

Unit: **lb** kg

| A / B | 10' 3.05 m | | 15' 4.57 m | | 20' 6.10 m | | 25' 7.62 m | | Max. Reach | Max. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | | Cf | Cs |
| **35'** 10.67 m | | | | | | | | | **8.63'** 2.63 m | * **18,800** 8,500 | * **18,800** 8,500 |
| **30'** 9.14 m | * **18,700** 8,450 | * **18,700** 8,450 | * **17,800** 8,050 | * **17,800** 8,050 | | | | | **18.29'** 5.57 m | * **12,800** 5,800 | * **12,800** 5,800 |
| **25'** 7.62m | * **16,300** 7,400 | * **16,300** 7,400 | * **17,800** 8,050 | * **17,800** 8,050 | * **17,200** 7,800 | * **17,200** 7,800 | | | **23.26'** 7.09 m | * **11,250** 5,100 | * **11,250** 5,100 |
| **20'** 6.10 m | * **17,400** 7,900 | * **17,400** 7,900 | * **19,950** 8,850 | * **19,950** 8,850 | * **19,600** 8,850 | * **19,600** 8,850 | * **15,350** 6,950 | **14,800** 6,700 | **26.39'** 8.04m | * **10,650** 4,800 | * **10,650** 4,800 |
| **15'** 4.57 m | | | * **28,150** 12,750 | * **28,150** 12,750 | * **22,050** 10,000 | **20,050** 9,100 | * **18,550** 8,400 | **14,600** 6,600 | **28.30'** 8.63 m | * **10,550** 4,750 | * **10,550** 4,750 |
| **10'** 3.05 m | | | * **31,550** 14,300 | **28,950** 13,150 | * **23,500** 10,650 | **19,350** 8,750 | * **19,050** 8,600 | **14,250** 6,450 | **29.23'** 8.91 m | * **10,800** 4,900 | * **10,800** 4,900 |
| **5'** 1.52 m | | | * **32,500** 14,750 | **27,900** 12,650 | * **24,150** 10,950 | **18,800** 8,500 | * **19,050** 8,600 | **14,000** 6,350 | **29.29'** 8.93 m | * **11,450** 5,200 | **11,400** 5,150 |
| **0'** 0.00 m | | | * **30,450** 13,800 | **27,550** 12,450 | * **23,250** 10,550 | **18,450** 8,350 | * **18,100** 8,200 | **13,850** 6,250 | **28.46'** 8.68 m | * **12,600** 5,700 | **11,750** 5,300 |
| **-5'** -1.52 m | | | * **26,000** 11,800 | * **26,000** 11,800 | * **20,500** 9,300 | **18,450** 8,350 | * **15,350** 6,950 | **13,850** 6,250 | **26.68'** 8.13 m | * **13,100** 5,950 | **12,850** 5,800 |

* = Load is limited by hydraulic capacity rather than tipping. TRatings are based on SAE stnadard No. J1097
Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tippind load
Lift mode: ON




## Processor

| | | |
|---|---|---|
| A | Maximum reach | 29.3 ft. (8,951 mm) |
| B | Maximum height | 35.8 ft. (10,912 mm) |
| C | Maximum depth | 9.7 ft. (2,951 mm) |
| D | Maximum reach (ground level) | 28.4 ft. (8,675 mm) |

# Specifications

## Engine

| | | |
|---|---|---|
| Model | | Komatsu SAA6D107E-3* |
| Type | | Water-cooled, 4-cycle, direct injection |
| Aspiration | | Komatsu variable geometry turbocharged, aftercooled, cooled EGR |
| Number of cylinders | | 6 |
| Bore | 4.21" | 107 mm |
| Stroke | 4.88" | 124 mm |
| Piston displacement | 408 $in^3$ | 6.69 L |
| Horsepower | | |
| SAE J1995 (gross) | 213 HP | 159 kW |
| ISO 9249/SAE J1349 (net) | 197 HP | 147 kW |
| Rated rpm | | 2,050 rpm |
| Fan drive method for radiator cooling | | Mechanical |
| Governor | | All-speed control, electronic |

*U.S. EPA Tier 4 Final emission certified

## Hydraulics

| | | | |
|---|---|---|---|
| Type: HydrauMind (Hydraulic mechanical intelligence 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, swing and travel circuits |
| Maximum flow | | 125.5 gpm | 475 L/min |
| Supply for control circuit | | | Self-reducing valve |
| Hydraulic motors | | | |
| Travel | | | 2 x axial piston motors with parking brake |
| Swing | | | 1 x axial piston motor with swing holding brake |
| Relief valve setting | | | |
| Implement circuits | | 38.0 MPa 5,511 psi | 387 $kg/cm^2$ |
| Travel circuit | | 38.0 MPa 5,511 psi | 387 $kg/cm^2$ |
| Swing circuit | | 28.4 MPa 4,119 psi | 289 $kg/cm^2$ |
| Pilot circuit | | 3.3 MPa 478 psi | 33 $kg/cm^2$ |
| Hydraulic cylinders | | | *(bore x stroke x rod diameter)* |
| Boom (2) | 5.3" x 52.6" x 3.7" | | 135 mm x 1,335 mm x 95 mm |
| Arm (1) | 5.3" x 64.4" x 3.9" | | 140 mm x 1,635 mm x 100 mm |

## Drives and brakes

| | | |
|---|---|---|
| Steering control | | Two levers with pedals |
| Drive method | | Hydrostatic |
| Maximum drawbar pull | | 210 kN, 21,618 kgf, 47,659 lbf |
| Gradeability | | 70%, 35 deg |
| Maximum travel speed | | |
| High | 3.5 mph | 5.6 km/h |
| Mid (auto-shift) | 2.3 mph | 3.7 km/h |
| Low (auto-shift) | 1.8 mph | 2.9 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 | | 11.7 rpm |
| Swing torque | 58,334 ft.-lbs. | 8,065 kg-m |

## Undercarriage

| | |
|---|---|
| Center frame | X-frame |
| Track frame | Box-section |
| Seal of track | Sealed track |
| Track adjuster | Hydraulic |
| Number of shoes (each side) | 48 |
| Number of carrier rollers (each side) | 2 |
| Number of track rollers (each side) | 10 |

## Coolant (refilling) and lubricant capacity

| | | |
|---|---|---|
| Fuel tank | 214.8 gal | 813 L |
| Coolant | 9.4 gal | 35.5 L |
| Engine | 6.1 gal | 23.1 L |
| Final drive (each side) | 1.3 gal | 5 L |
| Swing drive | 1.9 gal | 7.2 L |
| Hydraulic tank | 34.9 gal | 132 L |
| Hydraulic system | 66.8 gal | 253 L |
| DEF tank | 6.1 gal | 23.1 L |

## Operating weight

| | | |
|---|---|---|
| Processor includes:<br>Forestry cab with 7" (178 mm) riser<br>28" (700 mm) double grouser shoes<br>Processor boom 20.2' (6,160 mm)<br>Processor arm 9.58' (2,920 mm)<br>Variable pitch reversing fan<br>Heavy counterweight with additional capacity fuel tank<br>Rated capacity of lubricants<br>Coolant<br>Operator and standard equipment (no head) | | |
| Operating weight | 67,516 lbs. | 30,625 kg |
| Ground pressure | 7.53 psi | 0.52 $kg/cm^2$ |

# Standard and optional equipment

| Engine and related components | standard ● | optional ○ |
|---|---|---|
| Engine, Komatsu SAA6D107E-3, Tier 4 Final<br>Gross HP (J1995): 213 HP (159 kW)<br>Net HP (J1349): 197 HP (147 kW) | | ● |
| Komatsu Diesel Particulate Filter (KDPF) | | ● |
| Selective catalytic reduction (SCR) | | ● |
| After-cooled, turbocharged direct injection | | ● |
| Air cleaner, double element | | ● |
| Fuel pre-filter, 10 micron | | ● |

| Cooling system | | |
|---|---|---|
| Radiator/oil cooler (8.5 fins per inch) | | ● |
| Variable pitch, automatic reversing fan | | ● |

| Electrical system | | |
|---|---|---|
| Alternator (24 V /90 A) | | ● |
| Large capacity batteries (2 x 12 V) | | ● |
| Starter motor (24 V/5.5 kW x1) | | ● |
| Working lights: 11 LED Lights | | ● |
| Engine shutdown secondary switch | | ● |
| Battery disconnect switch | | ● |
| 24 V-12 V converter, 30 A | | ○ |

| Undercarriage | | |
|---|---|---|
| High/wide forestry undercarriage | | ● |
| Heavy-duty revolving frame | | ● |
| 28" (700 mm) double grouser shoes | | ● |
| Track rollers, heavy-duty, 10/side | | ● |
| Carrier rollers (2), track type/side | | ● |
| Heavy-duty recoil spring | | ● |
| Heavy-duty tow hooks | | ● |
| Track guard full-length ski-type | | ● |

| Guards and covers | | |
|---|---|---|
| Dustproof net for radiator and oil cooler | | ● |
| Heavy-duty forestry guards | | ● |
| Heavy-duty doors, .24" (6mm) thick | | ● |
| Heavy-duty underguard .24" (6mm) thick | | ● |
| Corner post/front guard | | ● |
| Pump/engine partition cover | | ● |
| Forestry debris screens | | ● |
| Grip strut walkways | | ● |
| Boom cylinder guard | | ● |

| Operator environment | standard ● | optional ○ |
|---|---|---|
| Komatsu forestry cab with 7" fixed riser | | ● |
| 1.25" (32 mm) polycarbonate front window | | ● |
| ROPS/OPS/TOPS/FOPS/WCB/Oregon OSHA certified | | ● |
| Automatic HVAC | | ● |
| Low vibration viscous cab floor mounts | | ● |
| Monitor panel, LCD, high-resolution color | | ● |
| Equipment management monitoring system (EMMS) | | ● |
| Seat, high back, air suspension, heated/cooled | | ● |
| Radio with Bluetooth | | ● |
| Adjustable arm rests | | ● |
| Front & rear sunshades | | ● |
| Cup holder | | ● |

| Work equipment | | |
|---|---|---|
| Processor boom 20.2' (6.16 m) | | ● |
| Processor arm 9.58' (2.92 m) | | ● |
| Processor-specific piping package | | ● |
| Case drain filter, high pressure filtration | | ● |
| Return filtration | | ○ |

| Hydraulic controls | | |
|---|---|---|
| Axial piston swing motor (1) | | ● |
| Axial piston travel motors (2) | | ● |
| Variable capacity piston pumps (2) | | ● |
| Closed center load sensing (CCLS) pumps | | ● |
| Hydraulic pump high-pressure discharge filters | | ● |
| PC240-class swing bearing and swing machinery | | ● |
| Engine/hydraulic overheat prevention system | | ● |

| Drive and brake system | | |
|---|---|---|
| PC240-class final drives | | ● |
| 3-speed travel with auto shift | | ● |

| Other equipment | | |
|---|---|---|
| Komatrax level 5.0 monitoring system | | ● |
| Rearview monitoring camera | | ● |
| Sideview monitoring camera | | ○ |
| Side sun shades | | ○ |