

Standard Equipment

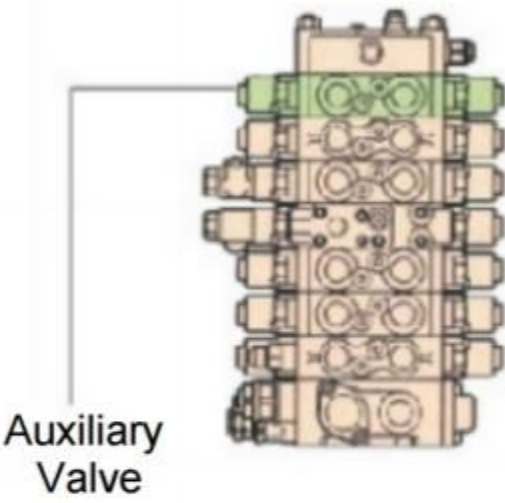
24V / 4.5kW Starting Motor	Travel Alarm	Swing Bearing Circumferential Grease Supply
35A Alternator	Electric Horn	Rear-view Mirrors (Left Rear, Side & Rear)
Suspension Seat	Headlamps	Safety Belt
Dual-element Air Filter	Defroster	Anti-theft Lock
Air Pre-cleaner	Built-in Motor Long-distance Wiper	Engine Auto Preheating / Overheat Protection Device
T-type Control Lever	Cooling & Heating Box	Engine Oil Level Monitor
PPC Hydraulic Control System	Tool Storage Box	Radiator & Oil Cooler with Dust Screen
Fully Automatic Heating & Air Conditioning	Cigarette Lighter	Multi-function Color LCD Monitor Controller
Pressure Compensated CLSS Hydraulic System	Ashtray	Chinese Language Display on Monitor
3-speed Travel Selection	AM/FM Radio	Standard Tool Kit
Track Roller Guard	Front Window Washer	Spare Parts Set
600mm Sealed Lubricated Track Shoes	Touch-type Power Boost Device	Fuel Pre-filter (Integrated Water Separator)
Anti-slip Mats	Washable Floor Mats	Fuel Main Filter
5050kg Counterweight	Boom Drop Prevention Valve	KOMTRAX Terminal
EMMS Equipment Monitoring System	Auto Deceleration (Fuel Saving) Mechanism	New Generation Operator Cab
Partition Plate between Engine Compartment & Main Pump Compartment	Working Mode Selection System (P.E.L.B.ATT)	1.03m³ Bucket (SAE)
Air-cooled Aftercooler	Auto Swing Parking Brake	Track Frame Bottom Guard
Large Grab Handles	Travel Control Pedals	
Large Access Plates	Reinforced Boom	
Engine Exhaust Heat Insulation Plate	Central Greasing System for Working Equipment	

Optional Equipment

Rear View Monitoring System	2500mm Arm	ATT Hydraulic Piping
Auxiliary Valve	Auxiliary Headlamps	Rear Working Lamp
Swing Lamp	Sun Visor	Rain Deflector
Front Cab Guard	500mm Track Shoes	700mm Track Shoes
800mm Track Shoes	High-power Starting Motor	Optional Buckets

Auxiliary Valve (Optional)

The auxiliary valve is optional. Adopting variable pressure compensation design, it optimally distributes hydraulic oil flow for various attachments, and up to 3 additional circuits can be equipped.



Some pictures in this brochure may show optional equipment. Specifications and contents are subject to change without prior notice.



PC220-8M0

Operating Weight: 23100–23700kg
Rated Engine Output: 123kW (167PS) /2000rpm
Bucket capacity: 1.03 m³ ~ 1.20 m³



KOMATSU

Technical Specifications

Engine

Model	Komatsu SAA6D107E-1
Type	Water-cooled, 4-stroke, direct injection
Intake	Turbocharged, aftercooled
Number of cylinders	6
Bore	107mm
Stroke	124mm
Piston displacement	6.69L
Power	
Net power (ISO 9249/SAE J1349)	123kW(167PS)
Rated speed	2000rpm
Radiator cooling fan drive mode	Mechanical
Governor	Full electronic governing
Emission standard	Meets 2006 EPA Tier3 and EU Stage 3A standards

Hydraulic Device

System form	HydrauMind (Intelligent Hydraulics) closed-center load-sensing hydraulic system
Number of selectable working modes	CLSS 6
Main pump	
Type	Variable displacement piston pump
Pump application	Provides driving power for boom, arm, bucket, swing and travel oil circuits
Maximum flow	439L/min
Control oil circuit supply mode	Pressure reducing valve
Hydraulic motors	
Travel	2 axial piston motors with parking brakes
Swing	1 axial piston motor with swing holding brake
Safety valve setting values	
Working device hydraulic circuit	37.3MPa(380kgf/cm ²)
Travel hydraulic circuit	37.3MPa(380kgf/cm ²)
Swing hydraulic circuit	28.9MPa(295kgf/cm ²)
Pilot hydraulic circuit	3.2MPa(33kgf/cm ²)
Hydraulic cylinders	
(cylinder quantity - bore × stroke × piston rod diameter)	
Boom	2 -120 mm x 1334 mm x 85 mm
Arm	1 -135 mm x 1490 mm x 95 mm
Bucket	1 -115 mm x 1120 mm x 80 mm

Driving Device and Brakes

Steering Control	Two joysticks and pedals
Driving Mode	Hydraulic drive
Maximum Traction Force	202 kN (20570kgf)
Gradeability	70% (35°)
Travel Speed: High speed	5.5km/h
Medium speed	4.2km/h
Low speed	3.1km/h
Operation Controller	Hydraulic locking

Swing System

Drive mode	Hydraulic drive
Reduction mechanism	Planetary gear
Swing bearing lubrication	Oil bath lubrication
Swing brake mode	Hydraulic locking
Swing speed	11.7rpm

Undercarriage

Center frame	X-frame
Track frame	Box-section structure
Track seal	Sealed track
Track tensioning device	Grease tensioning structure
Track shoes (per side)	
PC220-8M0	47 pieces
Carrier rollers (per side)	2
Track rollers (per side)	
PC220-8M0	8

Coolant and Lubricant Filling Capacities

Fuel tank	400L
Radiator	19.9L
Engine oil	23.1L
Final drive	5.0L per side
Swing drive	7.2L
Hydraulic oil tank	135L

Operating Weight (Approximate)

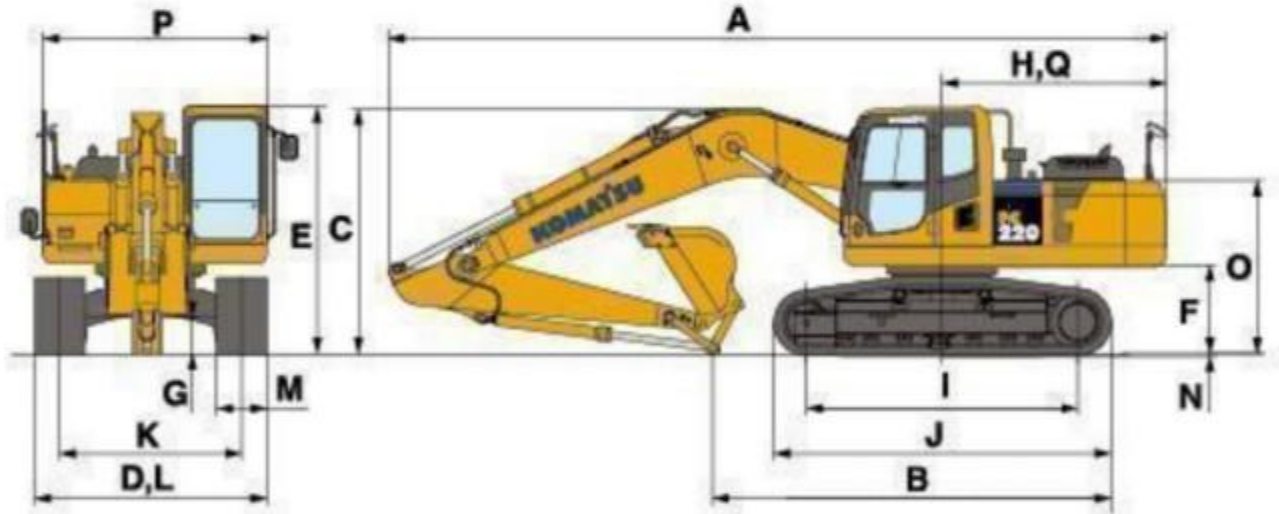
Operating weight includes 5850mm boom, 3045mm arm, SAE heaped 1.03m³ bucket, lubricants, coolant, fully fueled tank, operator and standard equipment.

Track Shoe	PC220-8M0	
	Operating Weight	Ground Contact Pressure
600mm	23100kg	50.1kPa 0.52kgf/cm ²
800mm	23700kg	38.6kPa 0.39kgf/cm ²

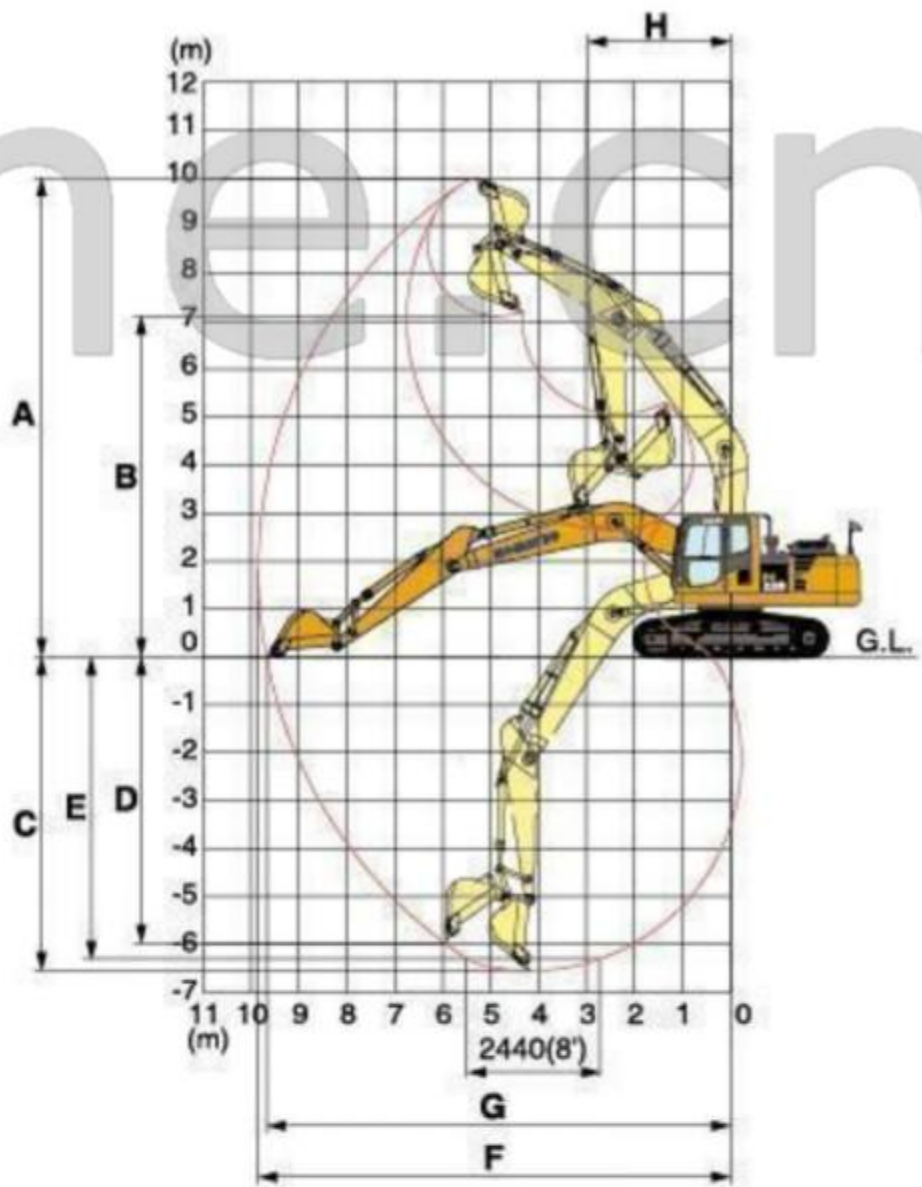
Dimensions

	Boom arm length	2500mm	3045mm
A	Total length	9960mm	9885mm
B	Ground contact length (transport)	5920mm	5190mm
C	Total height (to boom top)	3295mm	3185mm

	PC220-8M0
D	Total width
E	Total height (to cab top)
F	Counterweight ground clearance
G	Minimum ground clearance
H	Tail swing radius
I	Track ground contact length
J	Total track length
K	Track gauge
L	Track overall width
M	Track shoe width
N	Tooth height
O	Engine hood height
P	Engine hood width
Q	Distance from swing center to rear end



Working Range



	Arm length	2500 mm	3045 mm
A	Max digging height	9790 mm	10000 mm
B	Max dumping height	6860 mm	7035 mm
C	Max digging depth	6320 mm	6920 mm
D	Max vertical digging depth	5130 mm	6010 mm
E	Max digging depth for 8° level cutting	6100 mm	6700 mm
F	Max digging radius	9670 mm	10180 mm
G	Max digging radius on ground level	9480 mm	10020 mm
H	Min swing radius	3320 mm	3450 mm
SAE Rated Digging Force	Bucket maximum digging force	152 kN 15500 kgf	152 kN 15500 kgf
	Arm maximum digging force	142 kN 14500 kgf	119 kN 12100 kgf
ISO Rated Digging Force	Bucket maximum digging force	172 kN 17500 kgf	172 kN 17500 kgf
	Arm maximum digging force	148 kN 15100 kgf	129 kN 13200 kgf

PC220-8M0 Combination Table of Buckets and Other Devices

○: Standard configuration (○): Optional ×: Not available

Working Environment	Bucket			Boom	Arm			Swing Platform		Track Shoe
	Type	Capacity	Bucket Width (excluding side cutters)		Standard Arm (3045)	Reinforced (3045)	Reinforced (2500)	Standard	Reinforced	
Excavation and loading of sand, gravel, clay and other ordinary soil	General operation	1.03m ³	1150mm	○	○	(○)	(○)	○	(○)	○
Compaction, excavation, stripping of hard soil and clay mixed with stones, crushed stone loading and other heavy-duty operations	Heavy operation	1.04m ³	1165mm	○	×	○	(○)	○	(○)	○
		1.20m ³	1140mm	○	×	×	○	○	(○)	○
Excavation or loading of dry loose sand, soil and mud	Light operation	1.17m ³	1295mm	○	○	(○)	(○)	○	(○)	○

Note: Unmarked units are millimeters (mm).

PC220-8M0 Heavy-Duty Specifications

1.20m³ Bucket (Short Arm) Heavy-Duty Specifications

Enhanced Digging Force

- Equipped with a 2500mm arm, arm digging force is increased to 15,100kgf (13,200kgf for standard PC220-8M0)
- Narrow bucket delivers improved penetration force during excavation

Improved Strength & Extended Durability



2500mm Reinforced Short Arm 1.20m³ Heavy-Duty Bucket



Reinforced Boom



Reinforced Swing Frame



Cab Front Guard (Lower Section)

Various Optional Configurations & Specifications



Optional Machine Specifications

Auto Fuel Refueling Pump Version (Special Order Required)

Built-in auto fuel refueling system with auto-stop function when full



Closed Position



Open Position



控制面板 电动燃油泵 吸油管路 吸油末端阀
(红色所示) (绿色所示)

自动停止
传感器

加油
硬管

Features:

Quality: The fuel refueling system is designed and verified per Komatsu quality standards, with proven performance in European markets.

Convenience: Auto-stop on full tank and optimally routed built-in piping simplify refueling operations.

Serviceability: Suction pipe end valve with switch function closes after refueling to prevent residual oil leakage and machine contamination.

Safety: Filter screen built into the suction end valve blocks foreign matter from entering the oil pump.

- Inland Vessel Version
 - Heavy Earthmoving Version
 - High-Altitude Version, etc
- For details of the above machine versions, please consult your local dealer.

Newly Upgraded KOMTRAX System, Delivering Machine Data Anytime, Anywhere

KOMTRAX

KOMTRAX Management System Fully Upgraded

KOMTRAX Management System Fully Upgraded with More Comprehensive Functions & Easier Operation!



Cutting-edge ICT Technology Serving All Users

Komatsu KOMTRAX is a management system that utilizes cutting-edge ICT technology to provide high-quality services for users. As standard equipment for Komatsu products, this system has won wide acclaim from users around the world since its launch. Through technical expansion, system functions are continuously improved to fully meet users' service demands.

The Komatsu KOMTRAX system also acts as a "guardian" of equipment. It feeds back all machine "health" information to users in a timely manner to prevent faults in advance and keep machines in stable working condition at all times.

Powerful Functions of KOMTRAX Management System

Real-time Inquiry of All Machine Information

All types of equipment information can be instantly queried via PC web, mobile SMS or mobile APP

Fleet Management System

Realize systematic management of all your Komatsu machines equipped with KOMTRAX

Operation Condition Management

Statistics on machine workload and fuel consumption to facilitate work scheduling and cost control

Vehicle Movement Track Recording

Track operation locations, movement paths and running time via KOMTRAX. The system will automatically send alerts for unauthorized relocation.

Machine Health & Maintenance Management

Monitor machine health status remotely and receive timely maintenance reminders. In case of malfunctions, local Komatsu dealers can provide rapid support based on system data. Complete equipment service records help achieve higher resale value for used machines.

PC, Mobile SMS & Mobile APP — Access All Machine Information in One Place.

Brand-New Mobile APP System



My Komatsu

The brand-new mobile APP supports mainstream iOS and Android smartphone systems. Beyond basic query functions, the APP adds fleet utilization analysis, self-service fault reporting and maintenance reservation. You can also publish rental information and manage rental projects via the APP, bringing you full convenience and peace of mind through digital informatization.

SMS Inquiry via Mobile Phone

The upgraded SMS inquiry system allows you to check machine operation status instantly anywhere anytime without a PC. For jointly purchased machines, multiple mobile numbers can be authorized to access data of one single machine for shared management.

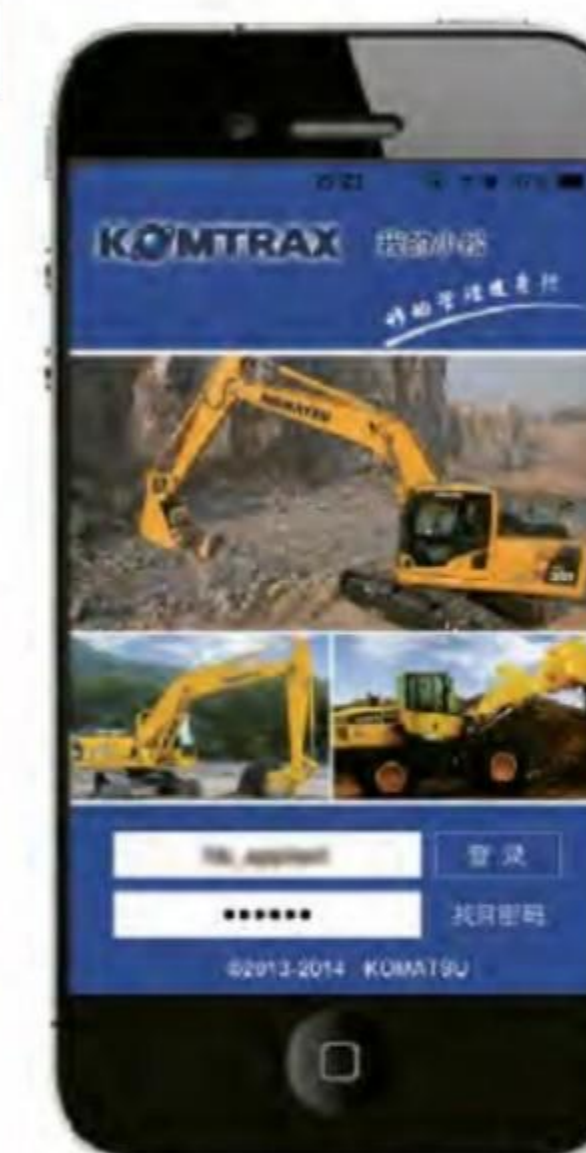
The SMS inquiry function of KOMTRAX mobile system is fully upgraded with richer functions, simpler operation and humanized design. Daily reports, monthly reports, fault alerts, maintenance reminders and relocation reminders are available for selection. Once activated, the system will automatically send messages to your mobile phone without extra requests, with multiple personalized query codes for your option.

Web Inquiry via Computer

You can check all detailed machine information comprehensively via PC web portal. The global version of KOMTRAX management system adopts humanized design with cleaner interface, richer data and simpler operation. With just a few simple clicks, all machine data is displayed clearly, enabling you to easily conduct daily management of all machines without leaving your office.

Note 1: KOMTRAX functions vary by machine model. The KOMTRAX system installed on some models may not support display of actual working hours, fuel consumption, fuel level, engine coolant temperature and hydraulic oil temperature. Please consult your local Komatsu dealer for details.

Note 2: Komatsu provides users with 5 years of free vehicle information inquiry service.



Well-Planned Machine Structure & Optimized Layout Design for Easier Maintenance

Removable Air Conditioner Filter Elements

Both internal and external air conditioner filter elements can be easily detached, installed and cleaned.



Internal AC Filter External AC Filter

Washable Floor Mat

Flanged washable floor mat with built-in floor drain outlets for smooth water drainage, keeping the cab mat clean effortlessly.



Parallel Cooler Layout

Radiator, intercooler and oil cooler are arranged horizontally side by side for easy cleaning, disassembly and installation. Large-capacity aluminum coolers deliver outstanding cooling efficiency.



Dust-Proof Lock Cylinder

Dust covers are fitted on all external lock cylinders to prevent clogging and damage caused by dust.



Sloped Track Frame

Sloped track frame reduces mud accumulation; enlarged mud drop holes simplify cleaning work.

Standard Engine Oil Drain Valve

Avoid floor and clothing contamination during oil change.



Direct Discharge Fuel Drain Valve

Direct layout of fuel drain valve facilitates discharge and removal of impurities from drain fittings.



Easily Accessible Fuel Main Filter & Engine Oil Filter for Convenient Maintenance

Optimized mounting position of fuel main filter and engine oil filter simplifies daily maintenance.



New-Type Hydraulic Oil Filter Element

Dual-layer hydraulic filter element maintains stable oil flow while boosting impurity capture capacity by approx. 2 times.



Extended Replacement Intervals

High-performance filter media and long-life oil extend replacement intervals for oil and filter elements.

Engine oil	Every 500h
Engine oil filter	Every 500h
Hydraulic oil	Every 5000h
Hydraulic oil filter	Every 1000h

Engine Hood Gas Strut

Gas struts support easy opening and closing of engine hood. Rubber dust boots fitted on struts improve dust resistance.



Fuel Pre-filter with Water Separation Function

Fuel pre-filter integrates water separation function with larger water storage capacity and superior water removal performance, eliminating water from fuel to protect fuel system from failures.



Newly Upgraded Large TFT LCD Monitor for Easy Machine Monitoring & Maintenance

High-Resolution Color LCD Monitor with Clear Readability

Compared with the 7-inch large TFT LCD monitor of PC220-8, the upgraded monitor of PC220-8M0 delivers better visibility and resolution, and supports display in 13 languages.



Indicator

- | | |
|---|-----------------------------------|
| 1 Clock / Service Hour Meter <i>new</i> | 6 Hydraulic Oil Temperature Gauge |
| 2 Auto Deceleration | 8 Accelerator Opening <i>new</i> |
| 3 Work Mode | 9 Fuel Consumption Meter |
| 4 Travel Speed | 10 Economy Operation Indicator |
| 5 Engine Coolant Temperature Gauge | |

new : Items upgraded on the PC220-8M0 monitor compared with the PC220-8 monitor

Basic Operation Switches

- 1.Auto Deceleration Switch
- 2.Work Mode Select Switch
- 3.Travel Speed Select Switch
- 4.Buzzer Cancel Switch
- 5.Wiper Switch
- 6.Window Washer Switch



作业模式选择开关

Work Mode Selection

Six work modes are available for operators to select the optimal mode flexibly according to various working conditions.

- P Mode (Power Mode): Prioritize high productivity with high efficiency and high power output
- E Mode (Economy Mode): Low fuel consumption for cost-saving operation; subdivided into E0/E1/E2/E3
- L Mode (Fine Control Mode): Reduced implement & swing speed for precise fine work

- B Mode (Breaker Mode): Flow rate adjustable for different breaker models

- ATT Mode (Attachment Mode)
When P/E Mode is activated, flow is matched to attachment models. Simultaneous operation of attachment and work equipment triggers automatic flow adjustment for smooth implement movement. PC220-8M0 ATT Mode includes P & E sub-modes for fuel-efficient operation (only displayed on ATT-spec machines).

Energy-Saving Prompt Display & Recording

When operation violates energy-saving rules, prompts will pop up on the monitor to remind operators of fuel-saving practices.

- Avoid prolonged idling
- Prevent hydraulic overflow
- E Mode is recommended
- Reduce engine RPM during long-distance travel to save fuel

When remaining fuel lasts less than 8 hours, the monitor displays estimated hours left until low-fuel warning light activates.



Equipment Management Monitoring System



Equipped with high-performance EMMS health diagnosis system for rapid response in case of malfunctions.

Fault Check Function for easy error identification

<Fault Inspection Function>

Quick fault diagnosis pinpoints root causes and alerts operators & dealers to minimize downtime.

Maintenance Record Storage System

<Maintenance Record Storage System>

Stores service records and reminds users of next maintenance schedule.

<Fault History Storage System>

Saves fault codes for convenient inspection and maintenance.



Comfortable operating environment
for fatigue-free long-time operation



High-rigidity Cabin Fully Protects Driver Safety

International safety design
complying with Japanese,
American and European
safety standards

- Hydraulic lock levers:
lockable to avoid
misoperation; engine can
only start when levers are
locked
- Retractable safety belt
- Emergency Escape Hammer
- Environment-friendly
tempered reinforced glass
- Side observation mirror
- Rearview mirror
- Anti-slip plate
- Heat insulation panel
- Full-coverage Fan Shroud
- Fire barrier
- Large handrails
- Large floor mat
- Fault alarm indicator

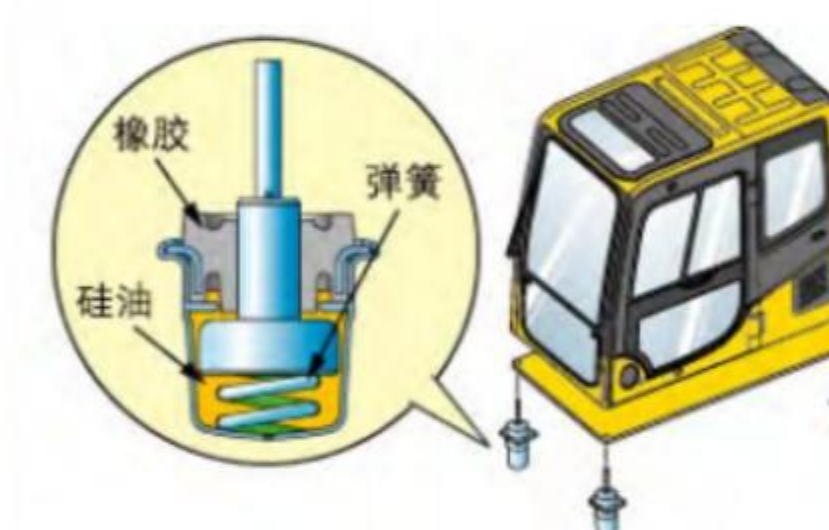


Comfort-oriented cabin
reducing operator
fatigue

- Quiet cabin quieter than passenger
vehicles
- Spacious interior space
Wide cabin & foot space fit
operators of all body types;
seat backrest is adjustable,
can be reclined fully flat with
headrest installed; seat
height & tilt angle are
adjustable for optimal comfort



- Cabin damping mounts: greatly
reduce cabin vibration
- External air intake large-
capacity fully automatic air
conditioner
- Pressurized sealed cabin:
improves airtightness to block
dust ingress



Hydraulic Excavator Special Cab

The cab is specially designed for hydraulic excavators and features a frame with tubular cross-section structure to enhance strength. The cab frame boasts excellent impact absorption capacity, delivering high durability and impact resistance. Combined with the standard-equipped safety belt, it can effectively protect the operator.



Standard Factory-fitted Parts



Sliding side window (Left)



Remote-controlled Intermittent
Wiper with Washer



AM/FM stereo radio &
ashtray AM/FM



Opening sunroof



Demister
(ISO certified)



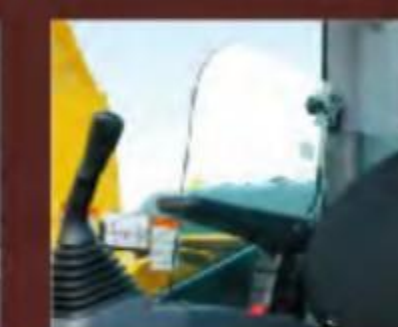
Cigarette lighter



Cup holder &
bottle rack



Beverage storage
box



Front lower side
glass with one-
touch retraction

High Durability & Reliability Ensure Long-term Stable Machine Operation

Construction machinery frequently operates under heavy loads in harsh environments, so high durability is mandatory for core components such as engines. The Komatsu SAA6D107E-1 engine inherits consistent advantages of Komatsu engines to deliver reliable durability. As a professional manufacturer with nearly a century of R&D and production experience in construction machinery, Komatsu pursues meticulous standards to guarantee product reliability.

6-Cylinder Diesel Engine



Reliable & Durable

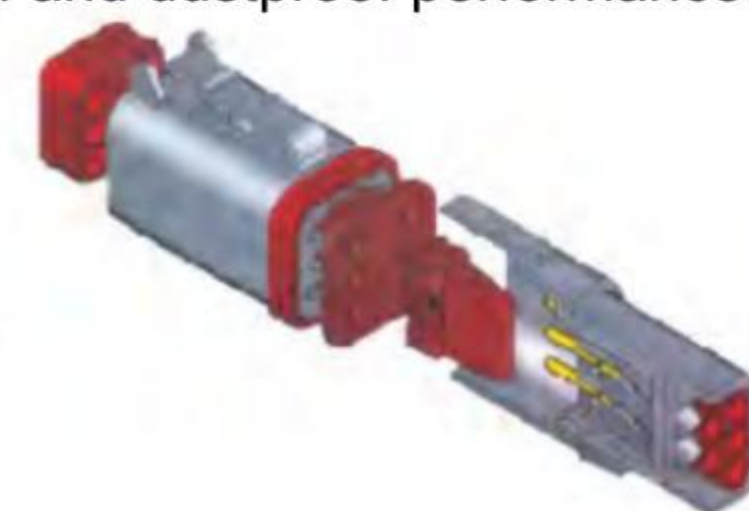
O-Ring Face Seal

Flat O-ring face seals are adopted for hydraulic hose connections to ensure tight sealing and oil leakage prevention. Besides, buffer rings are fitted on the cylinder head side of all hydraulic cylinders to reduce load on piston rod seals and maximize overall reliability.



Sealed DT Connector

Main wiring harnesses and control units are connected via sealed DT connectors featuring excellent reliability, waterproof and dustproof performance.



6-Cylinder Diesel Engine

To adapt to various working conditions, medium and large construction machinery widely adopts 6-cylinder diesel engines with superior durability and reliability as power sources. The PC220-8M0 retains the highly reliable and durable SAA6D107E-1 6-cylinder engine carried over from PC220-8.

Breather Valve Added to Hydraulic Tank

A dedicated breather valve with a 10µm filter element is mounted on top of the hydraulic tank to stop impurities from entering the hydraulic system.



Breather Valve Added to Fuel Tank

A dedicated breather valve with a 10µm filter element is installed on the fuel tank to block impurities from entering the fuel system.



Robust Frame with Enhanced Reliability

Optimized High-Strength Frame

3D CAD structural finite element analysis is adopted to simulate loads on the frame, achieving a well-designed high-strength structure.



High-Rigidity Swing Frame

Thickened high-strength left and right platforms plus high-rigidity swing frame guarantee powerful digging and fast traveling performance.



Sealed Lubricated Track

Sealed lubricated tracks proven by a quarter-century of field service. Additional supports are fitted on track links for higher reliability, and reinforced track shoes further boost durability.



Boom, Arm and Bucket Tailored to Meet User Demands

The boom, arm and bucket of PC220-8M0 feature up graded strength to satisfy long-hour heavy-duty construction requirements.

Boom

The boom adopts a large cross-section design with reinforced key load-bearing areas. Integrated steel plates for upper and lower boom sections reduce welding seams, minimize stress concentration and deliver outstanding durability.

Arm

The arm is reinforced based on force direction and load magnitude during excavation, with extra heavy stiffeners for drastically improved structural strength.

Bucket

Buckets bear the most severe abrasion during excavation. Buckets for Series 8 machines are made of highly wear-resistant materials to extend service life.

Apart from standard general-purpose buckets, heavy-duty and enlarged-capacity buckets are available for flexible selection according to construction requirements.

Improved Overall Fuel Economy of PC220-8M0 via System Optimization

Komatsu SAA6D107E-1 engine delivers outstanding fuel efficiency. To further cut fuel consumption for users, we upgraded the well-received pressure-compensated CLSS hydraulic system to reduce internal power loss of the hydraulic circuit. The perfect match of engine and hydraulic system, together with productivity-priority fast mode for high-volume operation and economy mode that automatically lowers engine speed to save fuel, achieves high working efficiency with reduced fuel consumption.

Electronically Controlled High-pressure Common Rail Fuel Injection System enables multi-stage fuel injection for complete combustion and superior fuel efficiency.

PC220-8M0 Electronically Controlled High-pressure Common Rail Fuel Injection System

Conventional Model Mechanically Controlled Fuel Injection System



Step1: A small volume of fuel is injected and ignited first

Step2: A large volume of fuel is then injected and ignited

Step3: A small amount of fuel is injected lastly and combusts with the residual unburned fuel

Single fuel injection unburned fuel remains

Advanced Hydraulic Technology

Komatsu self-developed closed-center load sensing CLSS hydraulic system delivers precise composite operation, smooth action and stable digging force independent of load variations. It allows operators to manipulate all working attachments freely to realize high productivity, winning global user recognition.

The hydraulic system has been optimized to reduce power loss within the system.

The hydraulic system of PC220-8M0 is optimized to cut energy loss during internal power transmission, lowering fuel intake from the engine while maintaining high working efficiency.

Faster Arm Speed

When flow demand rises as the arm extends, hydraulic oil flows back to the tank through the arm return circuit to reduce pressure loss, realizing faster arm movement and lower fuel consumption.

Well-protected Engine Fuel & Air Intake System

The large-capacity fuel pre-filter with integrated water separator features expanded water storage volume and enhanced water separation performance, fully protecting the fuel system and enabling worry-free operation of the electronically controlled high-pressure common rail engine.



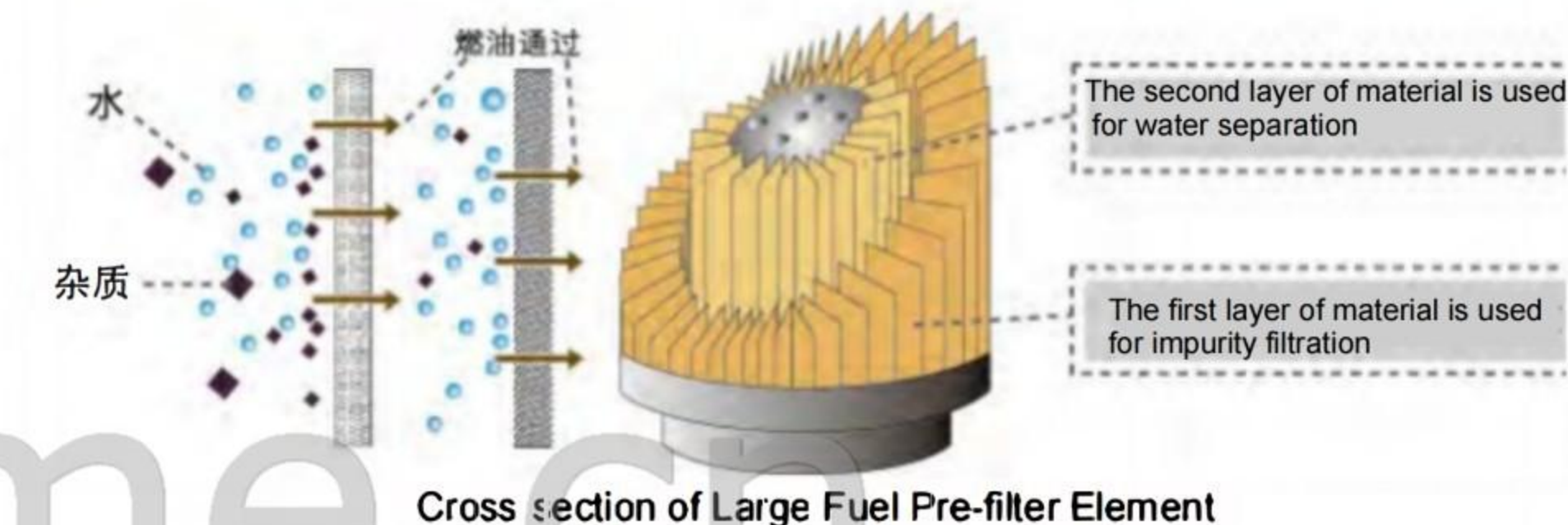
Large Fuel Pre filter (PC220-8M0)



Fuel Pre-filter (PC220-8)



Monitor prompts water drain when water separator is full

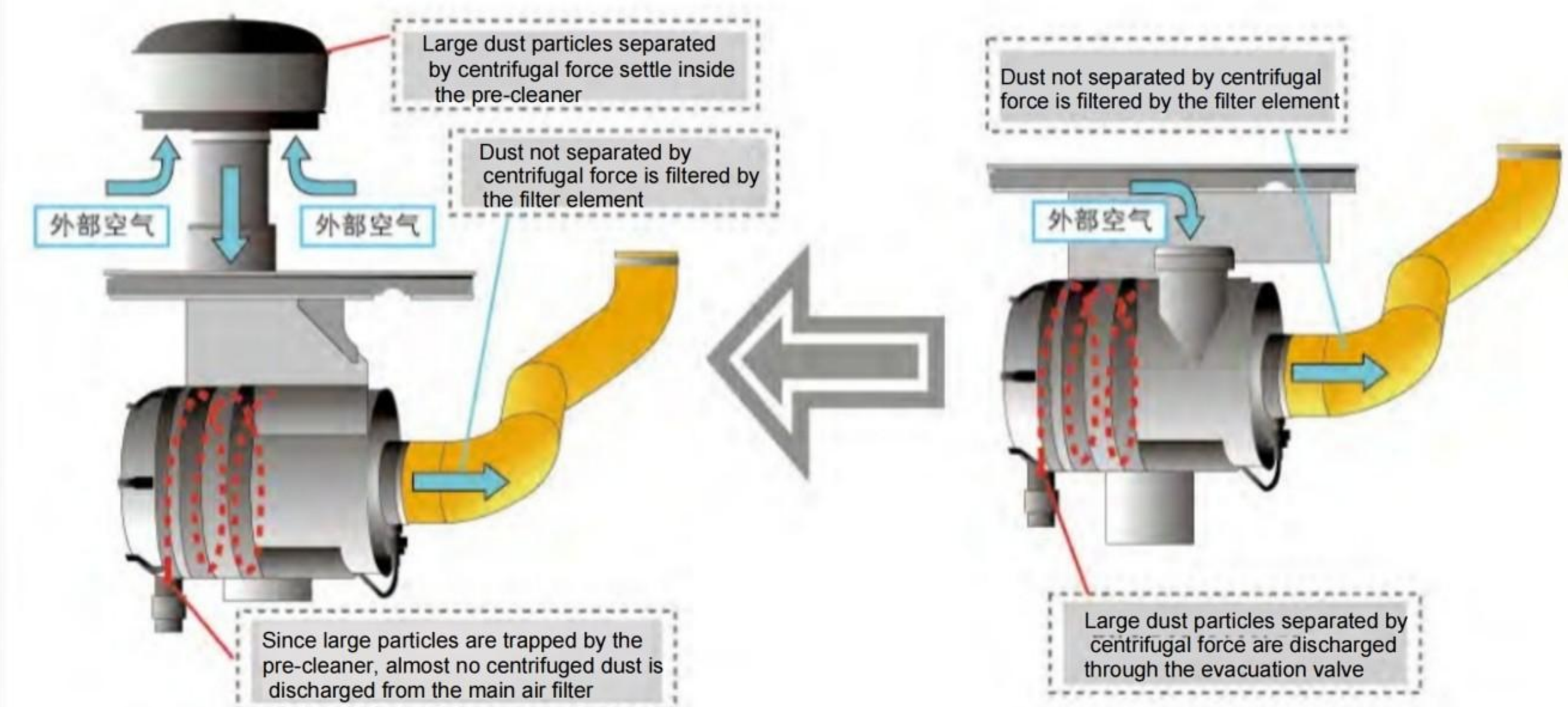


Cross section of Large Fuel Pre-filter Element

The dual-layer filter media of the fuel pre-filter maintains stable water-oil separation performance regardless of accumulated dust load.

Standard Equipped Air Pre-cleaner

To safeguard the engine, PC220-8M0 comes standard with an air pre-cleaner to boost air intake filtration capacity and adapt to harsh working environments.



Air Pre-cleaner + Air Filter (PC220-8M0)

Air Filter (PC220-8)

Main Features Overview

The upgraded PC220-8M0 maintains the same working performance as the PC220-8, with further improvements as follows:

new Improved Fuel Economy

new Enhanced Reliability of Fuel System and Hydraulic System

new Upgraded Monitor Functions

● Improved Overall Fuel Economy of PC220-8M0 via System Optimization

- Perfect combination of the superior pressure-compensated CLSS hydraulic system and SAA6D107E-1 high-pressure common rail engine
- The electronically controlled common rail fuel injection system realizes multi-stage fuel injection for more complete combustion
- The hydraulic system is optimized to reduce internal power loss

See Page 4

● Well-protected Engine Fuel & Air Intake System

- The fuel pre-filter with water separator features enlarged water storage capacity and enhanced water separation performance
- Standard equipped air pre-cleaner for better adaptability to harsh working environments

See Page 5

● High Durability & Reliability Ensures Long-term Stable Operation

- Komatsu self-developed and manufactured engines and hydraulic systems maintain consistent durability and reliability
- Enhanced anti-contamination performance of the hydraulic system
- Robust machine frame for improved reliability
- Boom, arm and bucket engineered to meet user requirements

See Page 6

● High-rigidity Cab Provides Comprehensive Operator Safety

- The cab offers full protection for the operator in case of machine rollover
- Large-area anti-slip plates ensure safer daily inspection on the machine
- Oversized side confirmation mirrors and rearview mirrors improve operational safety

See Page 9

● Newly Upgraded Large TFT LCD Monitor for Easy Machine Monitoring & Maintenance

- 7-inch multi-function color monitor with higher visibility and resolution
- Fuel-saving operation can be realized via the monitor
- Multiple working modes available
- Equipped with EMMS Equipment Monitoring System

TFT: Thin Film Transistor
See Page 10

● Reasonable Machine Structure & Scientific Configuration Simplify Maintenance

- Long replacement intervals for engine oil, engine oil filter and hydraulic oil filter
- Remotely mounted engine oil filter for easy access
- Direct-drain fuel drain valve
- Standard fuel pre-filter integrated with water separator
- Side-by-side cooling modules are easy to disassemble and assemble

See Page 12

● Newly Upgraded KOMTRAX System Provides Machine Data Feedback Anytime, Anywhere

See Page 14



● Comfortable Operating Environment for Long-hour Operation with Less Fatigue

- Low-noise cab comparable to passenger vehicle cabins
- High-damping shock-absorbing cab
- Pressurized sealed cab with standard air conditioning
- Suspension seat and control console with armrest allow operators to maintain a comfortable operating posture

See Page 8