

# KOMATSU®

## PC2000-8

Backhoe  
Loading Shovel

PC2000

### HORSEPOWER

Gross: 976 HP 728 kW @ 1800 rpm

Net: 956 HP 713 kW @ 1800 rpm

### OPERATING WEIGHT

Backhoe:

440,920–450,000 lb

200000–204120 kg

### OPERATING WEIGHT

Loading Shovel:

429,900 lb

195000 kg



PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

PC2000

# WALK-AROUND

PC2000



Photos may include optional equipment

# PC2000

## Mining Shovel

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Loading Shovel:  
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195000 kg



### Productivity and Economy

- Fuel Efficient Machine Achieved by Total Power Management and Advanced Hydraulic System
  - Hydraulic power loss reduced with advanced hydraulic system
  - On-demand fan speed and engine output control system
- Powerful and Economical Komatsu SAA12V140E-3 Engine with an Output of 713 kW **956 HP** Controlled by Efficient Power Management System
  - Auto deceleration and auto idling system
  - Two work modes: Power and Economy

### Ecology

- EPA Tier 2 Emission Certified Komatsu Engine
- New Technology Produces Remarkably Low Environmental Noise
  - Dynamic noise of 64.5 dB(A)
    - Power module packaging and noise absorbing blades trap noise inside
    - Contoured hybrid fan minimizes air turbulence noise

### Operator Comfort

- Newly Designed Mining Shovel Cab Provides Comfortable Operation
  - Excellent operational visibility with extended front windshield and large twin wipers
  - Extremely low noise and vibration: dynamic in-cab noise reduced to the same level as passenger cars
  - Rugged OPG top guard integrated into the cab
  - Easy-to-see and easy-to-use 7-inch TFT-LCD large monitor
  - Comfortable air-suspension seat
  - Automatic air conditioner
  - Air pressurized cab
- Bulkhead between pump room and engine
- Engine stop devices
- Interconnected horn and flashing light

### Easy Repair and Maintenance

- Low R&M cost sustained by simplified and reliable system with long service life
- Simplified and Durable Structure
  - Single engine and PTO drive two Komatsu HPV375+375 pumps
  - Simplified travel unit with single motor (each side)
  - Reinforced track components
  - Long life oil and filters
  - Extended life of rubber components achieved by lowering hydraulic oil temperature
- Power Module makes installation and removal of components easier, and reduces overhaul hours and cost
- Service Friendly Design
  - Maintenance deck surrounding the power module
  - Drain ports accessible from ground level
  - Concentration of filters
  - Large fuel tank enables 24 hours continuous machine operation
  - Auto-greasing system, including bucket pins, with 200 liter **52.8 U.S. gal** grease tank
- KOMTRAX Plus allows immediate diagnostics of key engine, chassis, and drive system components.

## KOMTRAX Plus

KOMTRAX Plus equipped machines can send SMR and trend information to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel burn, and much more.

# PRODUCTIVITY, ECONOMY, ECOLOGY

*Evolutionary Komatsu technologies pursue total cost reduction and eco-friendliness*

## Komatsu Technology

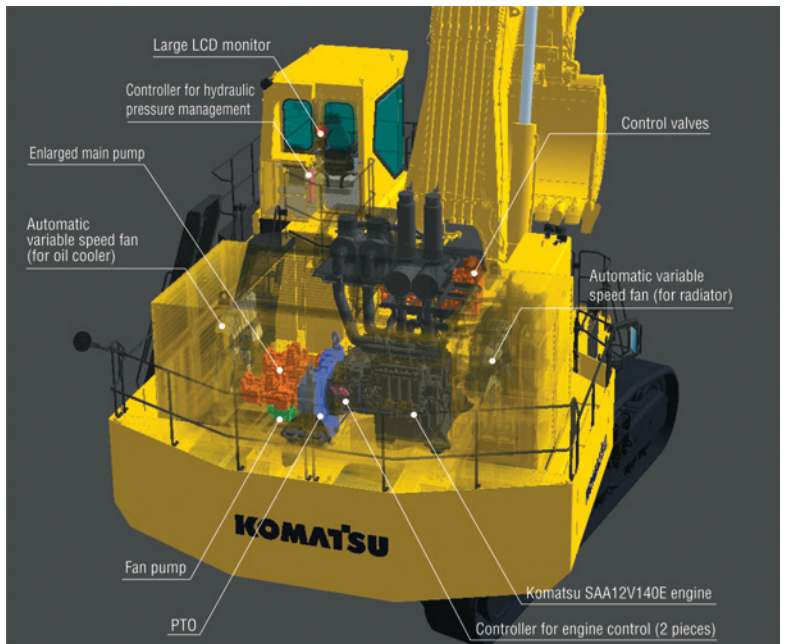
Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house. Through customer feedback, Komatsu is achieving great advancements in technology. To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and economical excavators.

## Powerful and Fuel Efficient Machine Achieved by Total Power Management

PC2000-8 is equipped with the new Komatsu SAA12V140E engine that features clean, fuel efficient and powerful performance. Power losses in the hydraulic system, cooling fan and PTO are reduced. Total Power Management uses On-demand Power Control System to drastically reduce fuel consumption. The machine has enhanced functions that contribute to energy-saving operation, including adjustable 'E mode' and 'Eco-gauge'. The PC2000-8 is a new generation of clean and economical machinery.

## Power Komatsu Engine 713 kW (956 HP)

Equipped with a high efficiency turbocharger, a large air-to-air aftercooler, the engine delivers a high output of 713 kW **956 HP**. The ample engine power increases work efficiency. The clean engine is EPA Tier 2 emissions certified.



### ON-DEMAND POWER OPERATION SYSTEM

**On-demand fan speed and engine output control system**  
Controls the rotational speed of the fan according to the hydraulic oil and coolant temperature, and varies the engine output depending on the fan speed.

**On-demand power control system**  
Controls pump absorbing horsepower and engine output automatically according to the job.

**All-out power delivery system**  
Outputs all-out engine power when the heavy lift mode and travel is selected.

## Heavy Lift Mode

The heavy lift mode activates the all-out power delivery system to increase the lifting force of the boom. This mode is beneficial when handling rock and during heavy lifting applications.

## Easy-to-See and Easy-to-Use Large 7-inch TFT-LCD Monitor

The machine is equipped with a large 7-inch TFT-LCD monitor. Panel visibility is significantly improved by the use of the high-resolution TFT-LCD panel. The panel switch group is easy-to-use, enabling switch over of engine output and increase of lifting force during operation. Function keys enable the operator to perform multi-functions with ease and the display offers nine languages to choose from.



## Selectable Working Modes

Two established work modes have been improved. Operators can select Power or Economy modes using a one-touch operation on the monitor panel. Two E-mode settings are available, enabling the operator to select the mode that delivers the best combination of production and fuel efficiency for the working conditions.



Working mode selection switch

## Advanced Environmentally Friendly Features

### Eco-gauge

The Eco-gauge is located on the right side of the monitor panel for energy saving operation. The gauge informs the operator of cumulative achievement to a predetermined fuel consumption target. By keeping the gauge indicator within the green range, the operator can meet the fuel-efficiency goal.



Eco-gauge

### Idling caution

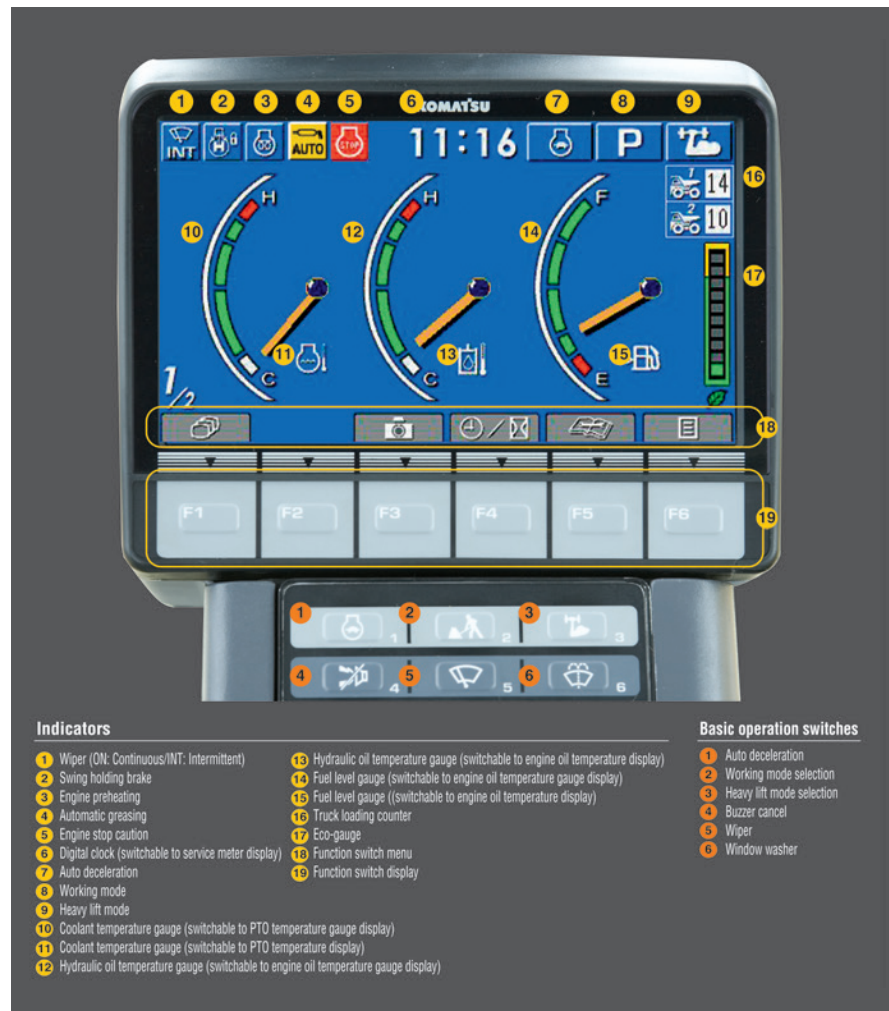
To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor when the engine idles for 5 minutes or more.

### Auto deceleration and auto idling system

The machine is equipped with the auto deceleration system (1400 rpm), reducing operating noise as well as fuel consumption. The auto idling system enables the engine idling speed to be set at a lower rate.

### Power module packaging for ultra low-noise operation

Noise sources such as the engine, cooling fan, and hydraulic pumps are enclosed in the machinery house. Large sound absorbing blades attached on the air intake and exhaust outlet block noise transmission. Combined with the contoured hybrid cooling fan, the machine realizes environmentally-friendly operation with amazingly low-noise.



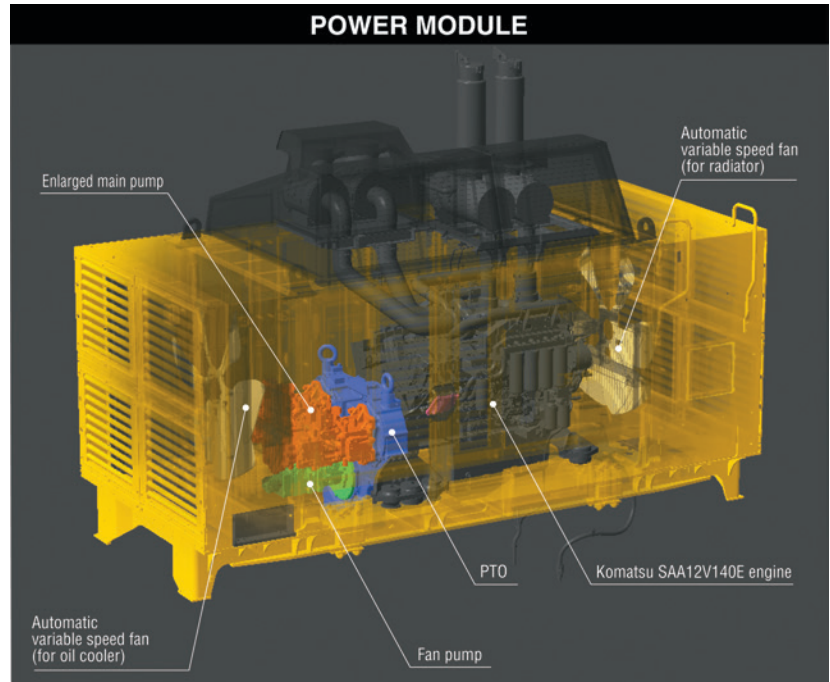
# RELIABILITY & DURABILITY FEATURES

*Designed and built for total cost reduction  
An achievement in the evolution of reliability and durability*

## Reduced Inspection/Maintenance and Overhaul Man-Hours Achieves Total Cost Reduction

### Power module packaging for easy installation and removal of components

The engine, radiator, oil cooler, hydraulic pumps, and PTO are packaged within the power module. This design facilitates installation and removal of components, contributing to the reduction of maintenance, transportation, and overhaul hours.



## Repair & Maintenance Cost Drastically Reduced

### Simple construction and enlarged components reduce the number of parts

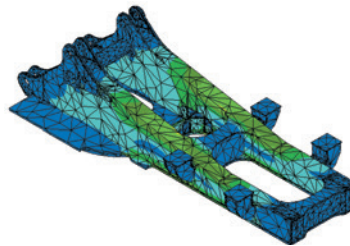
Use of a single-engine, enlarged hydraulic pumps and simplified hydraulic circuit reduces hours required for inspection and maintenance. Moreover, fewer parts reduces overhaul man-hours and total cost reduction.

### High cooling efficiency machine design

Increased oil cooler capacity lowers the heat balance temperature of the hydraulic oil for a cooler operating machine. Heat-resistant rubber seals are used in hydraulic pumps and cylinders to significantly increase component durability. These improvements dramatically extend the service life of the hydraulic system.

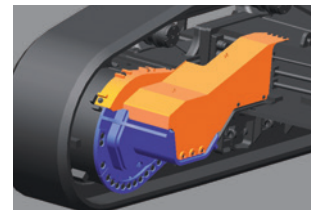
## Strengthened Frame Structure

Revolving frame, center frame and crawler frame have been strengthened. The frames are built for heavy-duty work and exhibit excellent durability.



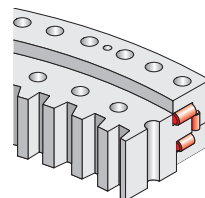
## Sturdy Guard/Large Track Link

Travel motors are shielded by sturdy guards. They prevent the motors from being damaged by rocks. Enlarged track rollers, in combination with large track links, provide excellent durability.



## Durable Swing Circle with Triple-Roller Bearing

A large capacity triple-roller bearing is used for the swing circle. The swing circle stands up to heavy-duty excavating, loading work, and exhibits excellent durability.



## EASY MAINTENANCE

*Sustained high level performance  
An achievement in the evolution of maintenance*

### KOMTRAX Plus

As part of a complete service and support program, Komatsu equips every mining and quarry sized machine with KOMTRAX Plus. By using a satellite-based communication system, KOMTRAX Plus offers a new vision of monitoring your valuable assets by providing insight to critical operating metrics and information that can be used to increase availability, lower owning and operating costs and maximize fuel efficiency.

The KOMTRAX Plus information available on MyKomatsu.com allows service personnel and asset owners to review cautions, operational data, fuel consumption, payloads and key component measurements provided in forms of trends. With KOMTRAX Plus, knowledge becomes the power to fuel your productivity.



### Monitor function

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



### Maintenance function

Monitor indicates replacement time for oil and filters and warns the operator when service is due.



### Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.

### Drop Down Service Center

PM Maintenance Service Center with locations for Fuel, Engine Oil, PTO Oil, Hydraulic Oil, Grease and Coolant.

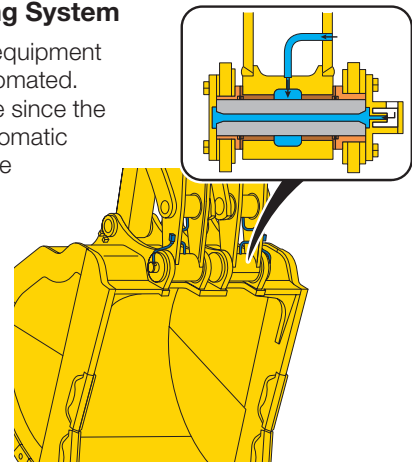


### Large Fuel Tank

3400 ltr **898 U.S.** gal large fuel tank enables continuous operation for 24 hours.

### Automatic Greasing System

Greasing of the work equipment and bucket is fully automated. Greasing is hassle-free since the system carries out automatic greasing at regular time intervals.



### Large Capacity Grease Tank and Easy-to-supply Refill Piping

The machine is equipped with a large capacity grease tank, enough to perform for 24 hours.



**Easy Cleaning of Radiator**

The hydraulically driven fan can be reversed to facilitate cleaning of the cooling unit. In addition, this feature contributes to reducing warm-up time in low temperatures.

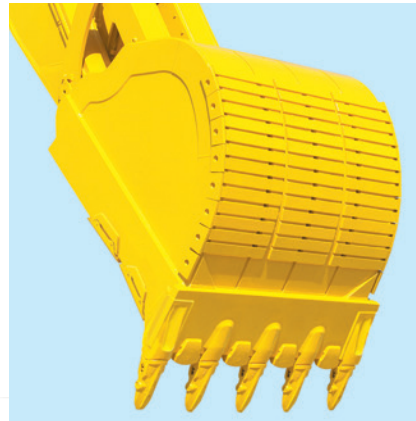
**Dust Indicator with Five-step Indication**

Informs of air cleaner clogging in five steps.

**XS Tooth**

- Unique bucket tooth shape for superior digging performance
- Long-term high sharpness
- Great penetration performance
- Hammerless, safe, and easy tooth replacement

(Tooth replacement time: Half of a conventional configuration.)

**Fuel Pre-filter (with Water Separator)**

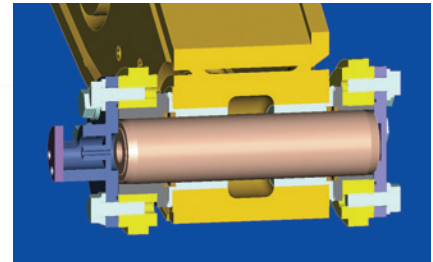
Removes water and contaminants from fuel to enhance fuel system reliability.

**Reduced Maintenance Costs**

Hydraulic oil filter and fuel filter replacement is extended from 500 to 1000 hours.

**Wear-Resistant Floating Pins**

Boom top pin and arm top pin are the floating type. Since the pin can freely rotate, it receives less friction load and exhibits excellent reliability and durability.





## WORKING ENVIRONMENT

*“Operator-first” concept in every corner of the machine  
An achievement in the evolution of operator performance*

### Excellent Operational Visibility

Downward visibility is greatly improved by the extended front windshield offering the operator a better view of machine footing. The new interior arrangement, in combination with wide glass windows, improves visibility on the work equipment side and provides excellent visibility of the surroundings.



### New Operator Cab Specially Designed for Mining

New operator cab provides a comfortable working environment, solid construction, and integrated top guard conforming to OPG level 2.



OPG top guard level 2 integrated into the cab

### Engine Stop Devices & Fuel Cut-Off Lever

Two engine stop devices are provided as standard equipment. Engine start lock function is used during maintenance work. In addition, a fuel cut-off lever on the revolving frame stops the engine from the ground.



Emergency stop switch (with engine start lock function)



Fuel cut-off lever

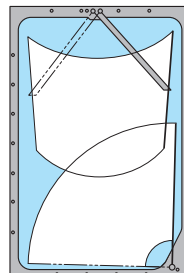
### Dual Rearview Mirrors

Mirrors provide excellent visibility in the left rear field of vision.



### Large Twin Wipers

Large twin wipers cover the windshield area and provide excellent front visibility.



### Step Light with Timer

Step light with timer provides light for 90 seconds.



Step light with timer

*Equipment designed to minimize operator fatigue  
An achievement in the evolution of comfort performance*



### Spacious and Comfortable New Cab Design

Large cab provides comfort during operation. The cab is pressurized to help prevent dust from entering, and has a large capacity twin air conditioner that effectively cools and heats the cab for a comfortable operating environment.

**Cab volume**      **30% increased**

Compared with PC1800-6

### Comfortable Air Suspension Seat

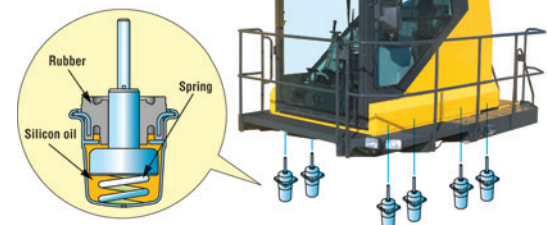
A seat with air suspension minimizes and softens vibrations transmitted to the operator. The seat can be adjusted to accommodate the operator's weight and physique.

### Comfortable Operating Environment with Same Low Noise Level as Passenger Cars

Integral structure of cab and new damper mounts, in combination with power module packaging, significantly reduce noise and vibration in the cab, making it equivalent to passenger cars.

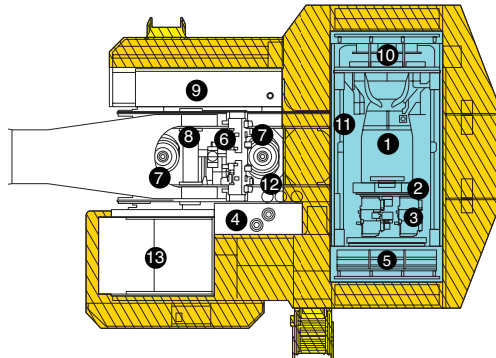
**Noise level**      **64.5 dB(A)**

In the cab at max. engine speed  
under no-load condition



## Advanced Layout for Easy Checking and Maintenance

Catwalk surrounding the power module and center walkway provides easy access to the inspection and maintenance points.



- |                  |                         |
|------------------|-------------------------|
| ■ Access walkway | ■ Power module          |
| 1 Engine         | 8 Swivel joint          |
| 2 PTO            | 9 Fuel tank             |
| 3 Hydraulic pump | 10 Radiator             |
| 4 Hydraulic tank | 11 Air cleaner          |
| 5 Oil cooler     | 12 Hydraulic oil filter |
| 6 Control valve  | 13 Cab                  |
| 7 Swing motor    |                         |

## LED Working Lights

LED working lights that are twice as bright as conventional halogen lamps are available for night work.

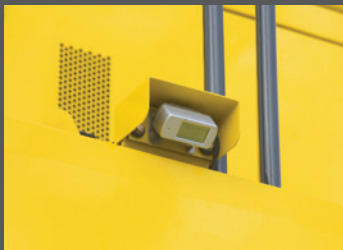


## Centralized Filters

Centralized filters contribute to easy maintenance.

## Rearview Monitoring System (optional)

Up to three video cameras can be installed to monitor the rear of the machine (full-screen or split-screen display selectable).





## ENGINE

Model..... Komatsu SAA12V140E-3  
 Type ..... 4-cycle, water-cooled, direct injection  
 Aspiration..... Turbocharged, aftercooled  
 Number of cylinders.....12  
 Bore ..... 140 mm **5.51"**  
 Stroke ..... 165 mm **6.50"**  
 Piston displacement..... 30.48 ltr **1860 in<sup>3</sup>**  
 Governor..... All-speed, electronic  
 Horsepower:  
   SAE J1995.....Gross 728 kW **976 HP**  
   ISO 9249 / SAE J1349.....Net 713 kW **956 HP**  
   Hydraulic fan at maximum speed ..... 679 kW **910 HP**  
 Rated rpm..... 1800 rpm  
 Fan drive type .....Hydraulic



## HYDRAULIC SYSTEM

Type ..... Open-center load sensing system  
 Number of selectable working modes ..... 2  
 Main pump:  
   Type..... Variable displacement piston pumps  
   Pumps for..... Boom, arm, bucket, swing and travel circuits  
   Maximum flow:  
     For attachment, swing and travel 2317 ltr/min **612.2 U.S. gpm**  
     For fan drive..... 324 ltr/min **85.6 U.S. gpm**  
 Hydraulic motors:  
   Travel .....2 x axial piston motors with parking brake  
   Swing .....2 x axial piston motors with swing holding brake  
   Fan ..... 2 x axial piston motors  
 Relief valve setting:  
   Attachment circuits  
     Backhoe ..... 29.4 MPa 300 kgf/cm<sup>2</sup> **4,270 psi**  
     Loading shovel ..... 29.4 MPa 300 kgf/cm<sup>2</sup> **4,270 psi**  
   Travel circuit..... 32.9 MPa 335 kgf/cm<sup>2</sup> **4,760 psi**  
   Swing circuit..... 29.4 MPa 300 kgf/cm<sup>2</sup> **4,270 psi**  
   Pilot circuit..... 2.9 MPa 30 kgf/cm<sup>2</sup> **430 psi**  
 Hydraulic cylinders:  
   Number of cylinders—bore x stroke  
   Backhoe:  
     Boom ..... 2 – 300 mm x 2647 mm **1.8" x 104.2"**  
     Arm ..... 2 – 250 mm x 2138 mm **9.8" x 84.2"**  
     Bucket..... 2 – 200 mm x 2170 mm **7.9" x 85.4"**  
   Loading shovel:  
     Boom ..... 2 – 280 mm x 1930 mm **11.0" x 76.0"**  
     Arm ..... 2 – 200 mm x 2170 mm **7.9" x 85.4"**  
     Bucket..... 2 – 225 mm x 2050 mm **8.9" x 80.7"**  
     Bottom dump ..... 2 – 180 mm x 600 mm **7.1" x 23.6"**



## SWING SYSTEM

Swing gear..... 2 x Planetary gear  
 Swing circle lubrication ..... Grease  
 Swing holding brakes..... Mechanical disc brakes  
 Swing speed..... 4.8 rpm



## DRIVE SYSTEM

Travel gear..... Planetary gear  
 Gradeability ..... 65%  
 Maximum travel speed ..... 2.7 km/h **1.7 mph**  
 Parking brakes ..... Mechanical disc brakes



## UNDERCARRIAGE

Track adjuster..... Grease  
 No. of shoes..... 49 each side  
 No. of carrier rollers..... 3 each side  
 No. of track rollers..... 8 each side



## SERVICE CAPACITIES

Fuel tank .....3400 ltr **898.3 U.S. gal**  
 Radiator ..... 180 ltr **47.6 U.S. gal**  
 Engine..... 120 ltr **31.7 U.S. gal**  
 Travel gear, each side ..... 85 ltr **22.5 U.S. gal**  
 Swing drives..... 30 x 2 ltr **7.9 x 2 U.S. gal**  
 Hydraulic tank ..... 1300 ltr **343.5 U.S. gal**  
 PTO .....30 ltr **7.9 U.S. gal**



## OPERATING WEIGHT (APPROXIMATE)

### BACKHOE

Operating weight, including 8700 mm **28'7"** boom, 3900 mm **12'10"** arm, SAE heaped 12.0 m<sup>3</sup> **15.7 yd<sup>3</sup>** general purpose backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Shoe Width	Operating Weight	Ground Pressure
Double grouser 810 mm <b>32"</b>	200000 kg <b>440,920 lb</b>	190 kPa 1.94 kgf/cm <sup>2</sup> <b>27.6 psi</b>
Triple grouser 1010 mm <b>40"</b>	204120 kg <b>450,000 lb</b>	156 kPa 1.59 kgf/cm <sup>2</sup> <b>22.6 psi</b>

### LOADING SHOVEL

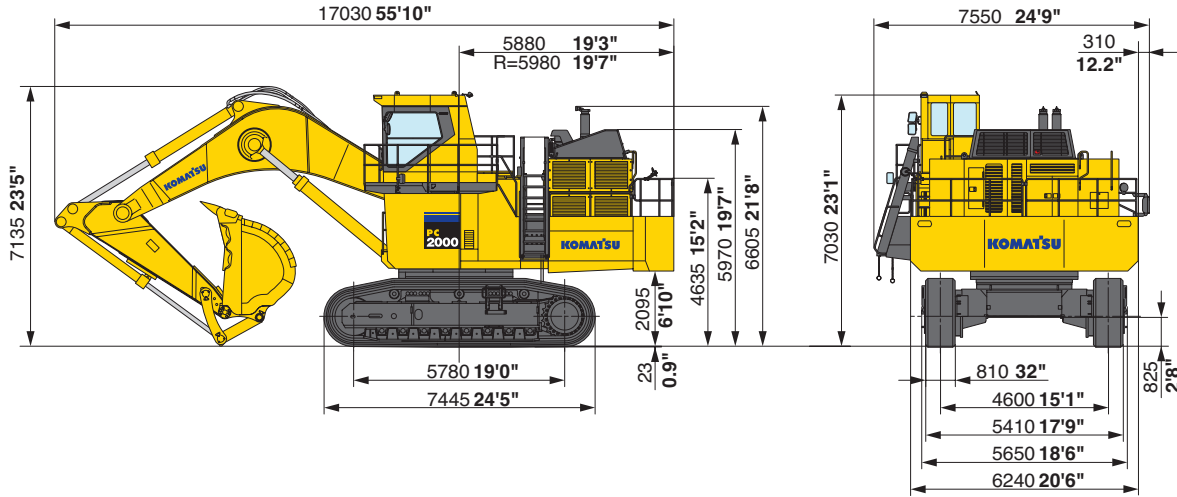
Operating weight, including 5950 mm **19'6"** boom, 4450 mm **14'7"** arm, 11.0 m<sup>3</sup> **14.4 yd<sup>3</sup>** heaped bucket, operator, lubricants, coolant, full fuel tank and standard equipment.

Shoe Width	Operating Weight	Ground Pressure
Double grouser 810 mm <b>32"</b>	195000 kg <b>429,900 lb</b>	186 kPa 1.90 kgf/cm <sup>2</sup> <b>27.0 psi</b>

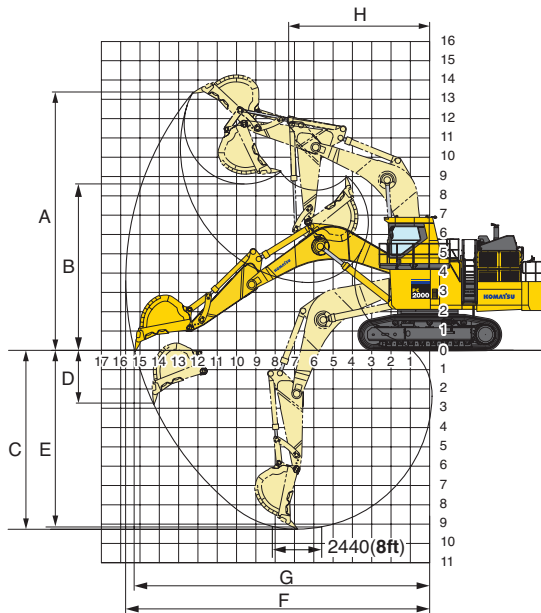


## BACKHOE DIMENSIONS

Unit: mm ft in



## BACKHOE WORKING RANGE



Boom length	8.7 m	28'7"
Arm length	3.9 m	12'10"
A Max. digging height	13410 mm	44'0"
B Max. dumping height	8650 mm	28'5"
C Max. digging depth	9235 mm	30'4"
D Max. vertical wall digging depth	2710 mm	8'11"
E Max. digging depth for 8' level bottom	9115 mm	29'11"
F Max. digging reach	15780 mm	51'9"
G Max. digging reach at ground level	15305 mm	50'3"
H Min. swing radius	7500 mm	24'7"
SAE rating	Bucket digging force at power max.	626 kN 63.8 ton / 70.3 U.S. ton
	Arm crowd force at power max.	574 kN 58.5 ton / 64.5 U.S. ton
ISO rating	Bucket digging force at power max.	697 kN 71.1 ton / 78.4 U.S. ton
	Arm crowd force at power max.	586 kN 59.8 ton / 65.9 U.S. ton



## BACKHOE BUCKET

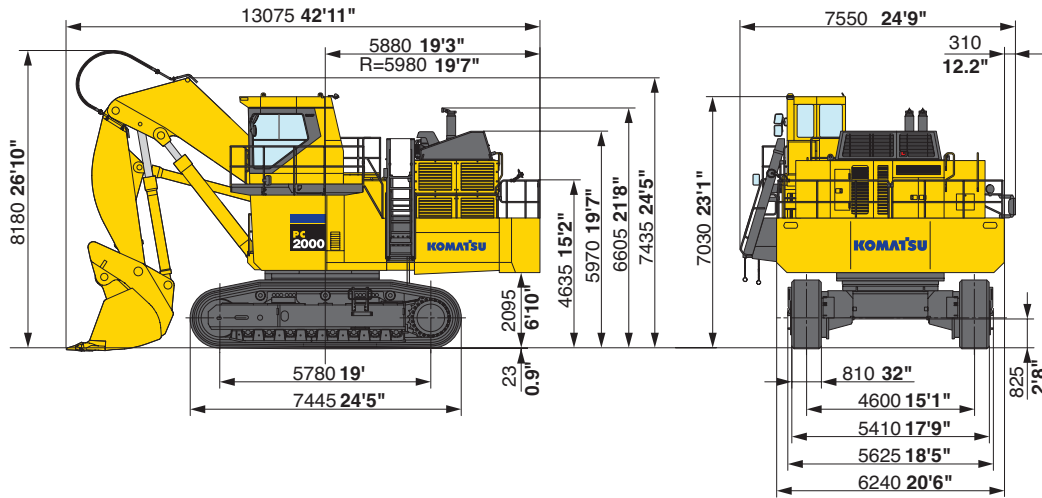
Bucket Capacity (Heaped)				Width				Weight		Max. Material Density (Loose)		Recommended Uses	Tooth System
SAE, PCSA		CECE		Without Side Shrouds		With Side Shrouds		With Side Shrouds		t/m <sup>3</sup> lb/yd <sup>3</sup>			
m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	mm	inches	mm	inches	kg	lb	t/m <sup>3</sup>	lb/yd <sup>3</sup>		
*12.0	15.7	11.0	14.4	2600	102"	2670	105"	12400	27,340	1.8	3,000	Rock	XS145
12.0	15.7	11.0	14.4	2600	102"	2670	105"	9700	21,380	1.8	3,000	General Purpose	XS145
*13.7	17.9	12.0	15.7	2720	107"	2790	110"	12500	27,560	1.5	2,500	Rock	XS145
13.7	17.9	12.0	15.7	2720	107"	2790	110"	10500	23,150	1.5	2,500	General Purpose	XS145

These charts are based on over-side stability with fully loaded bucket at maximum reach.

\*Wear-resistant bucket



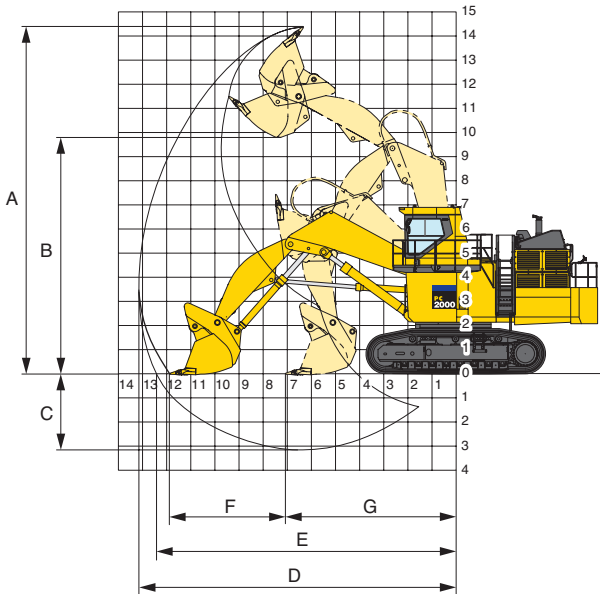
## LOADING SHOVEL DIMENSIONS



Unit: mm ft in



## LOADING SHOVEL WORKING RANGE



Type of bucket	Bottom dump	
Capacity-heaped	11.0 m <sup>3</sup>	<b>14.4 yd<sup>3</sup></b>
<b>A</b> Max. cutting height	14450 mm	<b>47'5"</b>
<b>B</b> Max. dumping height	9665 mm	<b>31'9"</b>
<b>C</b> Max. digging depth	3190 mm	<b>10'6"</b>
<b>D</b> Max. digging reach	13170 mm	<b>43'3"</b>
<b>E</b> Max. digging reach at ground level	11940 mm	<b>39'2"</b>
<b>F</b> Level crowding distance	4850 mm	<b>15'11"</b>
<b>G</b> Min. crowding distance	7090 mm	<b>23'3"</b>
Bucket digging force	721 kN 73.5 ton / <b>81.0 U.S. ton</b>	
Arm crowd force	755 kN 77.0 ton / <b>84.9 U.S. ton</b>	

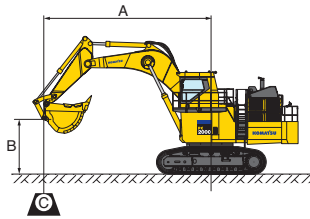


## LOADING SHOVEL BUCKET

Type of bucket	Bottom dump	
Capacity-heaped	11.0 m <sup>3</sup>	<b>14.4 yd<sup>3</sup></b>
Width (with side shrouds)	3220 mm	<b>127"</b>
Weight	14400 kg	<b>31,750 lb</b>
Tooth system	XS145	
No. of bucket teeth	6	
Max. material density	1.8 t/m <sup>3</sup>	<b>3,000 lb/yd<sup>3</sup></b>



## LIFTING CAPACITY WITH LIFTING MODE



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

Conditions :

- Boom: 8.7 m **28' 7"**
- Bucket: 12.0 m<sup>3</sup> **15.7 yd<sup>3</sup>**
- Bucket weight: 9700 kg **21,380 lb**
- Lifting mode: Heavy Lift Off

Arm: 3.9 m 12'10"

Shoes: 810 mm 32"

Unit: kg lb

B	3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		⊗ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'											* 31450	* 31450	* 21050	* 21050
											<b>* 69,300</b>	<b>* 69,300</b>	<b>* 46,400</b>	<b>* 46,400</b>
6.1 m 20'					* 46700	* 46700	* 38650	* 38650	* 33350	* 33350	* 21950	* 21950	* 21950	* 21950
					<b>* 102,900</b>	<b>* 102,900</b>	<b>* 85,200</b>	<b>* 85,200</b>	<b>* 73,500</b>	<b>* 73,500</b>	<b>* 48,400</b>	<b>* 48,400</b>	<b>* 48,400</b>	<b>* 48,400</b>
4.6 m 15'					* 52200	* 52200	* 42000	* 42000	* 35400	* 35400	* 23400	* 23400	* 23400	* 23400
					<b>* 115,000</b>	<b>* 115,000</b>	<b>* 92,500</b>	<b>* 92,500</b>	<b>* 78,000</b>	<b>* 78,000</b>	<b>* 51,500</b>	<b>* 51,500</b>	<b>* 51,500</b>	<b>* 51,500</b>
3.0 m 10'					* 56550	* 56550	* 44850	* 44850	* 37150	36050	* 25500	24100	* 25500	24100
					<b>* 124,700</b>	<b>* 124,700</b>	<b>* 98,800</b>	<b>* 98,800</b>	<b>* 81,900</b>	<b>* 79,400</b>	<b>* 56,200</b>	<b>* 53,100</b>	<b>* 56,200</b>	<b>* 53,100</b>
1.5 m 5'					* 61150	* 61150	* 59050	* 59050	* 46650	44900	* 38300	34650	* 28450	24150
					<b>* 134,800</b>	<b>* 134,800</b>	<b>* 130,100</b>	<b>* 130,100</b>	<b>* 102,900</b>	<b>* 99,000</b>	<b>* 84,400</b>	<b>* 76,300</b>	<b>* 62,700</b>	<b>* 53,200</b>
0 m 0'					* 68850	* 68850	* 59400	58650	* 47150	43450	* 38500	33600	* 29800	25050
					<b>* 151,800</b>	<b>* 151,800</b>	<b>* 130,900</b>	<b>* 129,300</b>	<b>* 103,900</b>	<b>* 95,800</b>	<b>* 84,800</b>	<b>* 74,100</b>	<b>* 65,700</b>	<b>* 55,200</b>
-1.5 m -5'	* 33650	* 33650	* 48800	* 48800	* 73500	* 73500	* 57550	* 57550	* 45950	42750	* 37200	33100	* 30250	27000
	<b>* 74,200</b>	<b>* 74,200</b>	<b>* 107,500</b>	<b>* 107,500</b>	<b>* 162,000</b>	<b>* 162,000</b>	<b>* 126,800</b>	<b>* 126,800</b>	<b>* 101,300</b>	<b>* 94,200</b>	<b>* 82,000</b>	<b>* 73,000</b>	<b>* 66,600</b>	<b>* 59,500</b>
-3.0 m -10'	* 50150	* 50150	* 68250	* 68250	* 67000	* 67000	* 53300	* 53300	* 42650	* 42650	* 33700	33200	* 30350	* 30350
	<b>* 110,600</b>	<b>* 110,600</b>	<b>* 150,400</b>	<b>* 150,400</b>	<b>* 147,700</b>	<b>* 147,700</b>	<b>* 117,500</b>	<b>* 117,500</b>	<b>* 94,000</b>	<b>* 94,000</b>	<b>* 74,300</b>	<b>* 73,200</b>	<b>* 66,900</b>	<b>* 66,900</b>
-4.6 m -15'	* 69500	* 69500	* 70850	* 70850	* 57200	* 57200	* 45850	* 45850	* 36050	* 36050			* 29750	* 29750
	<b>* 153,200</b>	<b>* 153,200</b>	<b>* 156,200</b>	<b>* 156,200</b>	<b>* 126,000</b>	<b>* 126,000</b>	<b>* 101,100</b>	<b>* 101,100</b>	<b>* 79,400</b>	<b>* 79,400</b>			<b>* 65,500</b>	<b>* 65,500</b>
-6.1 m -20'			* 50800	* 50800	* 42200	* 42200	* 33150	* 33150					* 27000	* 27000
			<b>* 111,900</b>	<b>* 111,900</b>	<b>* 93,000</b>	<b>* 93,000</b>	<b>* 73,100</b>	<b>* 73,100</b>					<b>* 59,500</b>	<b>* 59,500</b>

\*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



## STANDARD EQUIPMENT

### ENGINE AND RELATED ITEMS:

- Air cleaner, double element dry (Inside mounted)
- Two cooling fans with fan guard (Hydraulic drive, for radiator and oil cooler)
- Engine, Komatsu SAA12V140E-3
- Fuel pre-filters with water separators
- Corrosion resistors

### ELECTRICAL SYSTEM:

- Alternators, 2 x 90 amp, 24V
- Batteries, 140 Ah, 4 x 12V
- Ground level locking battery isolator switch
- Starting motors, 2 x 11 kW
- Working lights, 4 boom, 4 cab base, 3 fuel tank top front, 1 left front and 1 left under cab side catwalk
- Auto decelerator and auto idling system
- AM/FM radio
- Lighted switches on instrument panel

### UNDERCARRIAGE:

- 810 mm **32"** double grouser shoes
- 8 track rollers / 3 carrier rollers (each side)
- Hydraulic idler cushion (HIC) with shock absorbing accumulator
- Track guiding guard (Separate type)

### GUARDS AND COVERS:

- Dustproof net for radiator and oil cooler
- Pump/engine room partition cover
- Power module under cover

- Travel motor guard

### OPERATOR'S CAB:

- Large damper mounted and pressurized mining shovel cab with large tinted windshield, lockable door, large twin wipers and washers, floor mats, cigarette lighter, ashtray and cup holders
- Instrument panel with electronic display/monitor system (7'-TFT-LCD), electrically-controlled throttle dial, electric service meter, gauges (coolant temperature, hydraulic oil temp., fuel level, PTO oil temp., engine oil temp.), truck counters, eco gauge
- Built-in top guard conforming to OPG level 2 (ISO)
- Automatic air conditioners (twin)
- Seat, fully adjustable air suspension with retractable seat belt
- Trainer's seat
- Sun shield
- Fire extinguisher

### HYDRAULIC SYSTEM:

- Electric Open Center Load Sensing System (EOLSS)
- 4 variable displacement piston pumps (2 tandem pumps) for work equipment, travel and swing, 2 variable displacement piston pumps (1 tandem pump) for fan drive
- Two axial piston motors for swing with single stage relief valve
- One axial piston motor per track for travel with counterbalance valve
- Four control valves (two integrated valves) for work equipment, swing and travel

- Control levers for work equipment and swing with PPC system
- Control levers and pedals for travel with PPC system
- Oil cooler
- High-pressure in-line oil filters
- Drain-filters for pumps & motors
- Shockless boom control
- Two-mode pressure setting for boom

### DRIVE SYSTEM:

- Planetary travel gear with axial piston motor
- Travel parking brake

### OTHER STANDARD EQUIPMENT:

- Fully-automatic greasing system with 200 liter **52.8 U.S. gal.**
- Manual grease gun for track adjuster
- Fixed emergency escape ladder
- Fully hydraulic ladder
- Fuel quick charge system (Wiggins)
- Fuel tank, 3400 liter **898 U.S. gal.**
- Automatic swing holding brake
- Emergency engine stop switch and fuel shut-off lever
- Maintenance light for night
- Step light with timer
- Light in machine cab
- Travel alarm
- Wide catwalk and large guardrail
- Interconnected horn and flashing light
- Dual rearview mirrors
- KOMTRAX Plus



## OPTIONAL EQUIPMENT

- Additional 6 fuses and terminals
- Arms (Backhoe):
  - 3900 mm **12'10"** arm assembly
- Arms (Loading shovel):
  - 4450 mm **14'7"** arm assembly
- Booms (Backhoe):
  - 8700 mm **28'7"** boom assembly
- Booms (Loading shovel):
  - 5950 mm **19'6"** boom assembly

- Rearview monitoring system
- Cab front guard
- PM tune-up service connection
- Track shoe, 1010 mm **40"** triple grouser
- Center frame under cover
- Heavy-duty rock bucket
- 55°C **131°F** spec.

- Additional filter system for poor-quality fuel
- Additional pre-cleaner for engine air filter (Engineaire)
- Full length track guiding guards