HORSEPOWER
Gross: 728 kW 976 HP / 1800 min⁻¹
Net: 713 kW 956 HP / 1800 min⁻¹

OPERATING WEIGHT
Backhoe: 200000–204120 kg 440,920–450,000 lb
Loading shovel: 195000 kg 429,900 lb

Photo may include optional equipment.
**Productivity and Economy**

- **Fuel Efficient Machine Achieved by Total Power Management and Advanced Hydraulic System**
  - Fuel Consumption at Economy Mode 10% Reduced (compared with PC1800-6)
  - Hydraulic power loss reduced with advanced hydraulic system
  - On-demand fan speed and engine output control system
  - Equipped with electronically controlled variable speed fans

- **Powerful and Economical Engine**
  - 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**

- **U.S. EPA Tier 2 Emission Certified Komatsu Engine**

- **New Technology ProducesRemarkably Low Environmental Noise**
  - Dynamic Noise 8 dB lower than PC1800-6
  - Power module packaging and noise absorbing blades trap noise inside
  - 3-D hybrid fan minimizes air turbulence noise

See pages 4 and 5.

**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 Power Take Off (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 the ground level
  - Concentration of filters
  - Large fuel tank enables 24 hours continuous machine operation
  - Auto-greasing system including bucket pins with **200 L** 52.8 U.S.gal grease tank

- **KOMTRAX Plus Monitors the Machine Condition and Minimizes Machine Down Time**

See pages 6, 7, 8 and 9.
Operator Comfort

- Newly Designed Mining Shovel Cab Provides Comfortable Operation
  - Excellent operational visibility with extended front windshield and large twin wiper
  - Extremely low noise and vibration
    Dynamic in-cab noise reduced to the same level as passenger cars
  - Rugged OPG top guard level 2 (ISO 10262) integrated into the cab
  - Easy-to-see and easy-to-use 7-inch Liquid Crystal Display (LCD) large monitor
  - Comfortable air-suspension seat
  - Automatic air conditioner
  - Highly pressurized cab

- Bulkhead between Pump Room and Engine

- Emergency Stop Devices

- Interconnected Horn and Flashing Light

See pages 10, 11, 12 and 13.
In complete pursuit of total cost reduction and eco-friendliness
Evolutionary Komatsu technologies

Komatsu Technology
Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house. With this “Komatsu Technology” and adding 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 hydraulic system, cooling fan and PTO are reduced. Total Power Management using On-demand Power Control System succeeds in drastically reducing the fuel consumption per hour. The machine has enhanced functions that contribute to energy-saving operation including adjustable ‘E mode’ and ‘ECO gauge’. PC2000-8 is a new generation clean and economical machine.

Fuel consumption at E mode 10% reduced
Compared with the PC1800-6 at DH mode and 100% working efficiency.
(Fuel consumption varies depending on job conditions.)
High Power Komatsu Engine
713 kW (956 HP)
Equipped with the high efficiency turbocharger with large air-to-air aftercooler, the engine delivers high output of 713 kW (956 HP). The ample engine power enables an increase in work efficiency. This engine is U.S. EPA Tier 2 emission certified.

Heavy Lift Mode
Turning the heavy lift mode switch on 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.

Selectable Working Modes
Two established work modes are further improved. You can select Power or Economy modes using a one-touch operation on the monitor panel depending on workloads. Two E mode settings available, enabling the operator to select optimum mode that delivers the best combination of production and fuel efficiency considering working conditions.

Advanced Environmentally Friendly Features
ECO gauge
The ECO gauge is provided on the right side of the monitor screen for energy saving operation. The gauge informs the operator of cumulative achievement to a predetermined fuel consumption target. By keeping the gauge indication within the green range, the operator can perform fuel-efficient operation to meet the target value.

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 min⁻¹), reducing operating noise as well as fuel consumption. The auto idling system enables the engine idling speed to be set at a lower speed.

Power module packaging for ultra low-noise operation
Noise sources such as the engine, cooling fan, and hydraulic pumps are packaged in the machinery house. Large sound absorbing blades attached on the air intake and exhaust outlet block noise transmission. Combined with the three dimensions hybrid cooling fan, the machine realizes environmentally-friendly operation with amazingly low-noise.
Reduced Inspection/maintenance and Overhaul Man-hours
Achieves Total Cost Reduction

Power module packaging for easy installation and removal of components
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.

High cooling efficiency machine design
Increased oil cooler capacity lowers the heat balance temperature of hydraulic oil to realize 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.

Durable Swing Circle with Triple-roller Bearing
Large capacity triple-roller bearing is used for the swing circle. The swing circle endures heavy-duty excavating and loading work, and exhibits excellent durability.

Sturdy Guard and Large Track Link
Travel motors are shielded by sturdy guards. They prevent the motors from being damaged by the thrust of rocks. Enlarged track rollers, in combination with the largest size track links, provide excellent durability.
Heavy-duty Rock Bucket (optional)

Packaged wear-resistant reinforcement plates are available. The repair cost of the bucket can be considerably reduced with the new design.

* KOMATSU KVX’s hard materials:
Komatsu developed, wear-resistant, reinforced materials. Brinell hardness: 500 or more (180kg/mm² class). Features high wear-resistance and less heat-induced alteration during rock digging, maintaining long term hardness.

XS Tooth

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

(Tooth replacement time: Half the conventional machine.)

Heavy-duty Rock Bucket with XS Tooth

Wear-resistant Float Pin

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

Arm Rock Protector Guards the Arm Against Impact

Arm rock protector is equipped as standard. The protector guards the arm greasing piping against impact.
Sustained high level performance
An achievement in the evolution of maintenance

KOMTRAX Plus
KOMTRAX Plus controller monitors the health conditions of major components and enables remote analysis of the machine and its operation. This process is supported by the Komatsu distributors, factory and design team. This contributes to reduced repair costs and to maintaining maximum availability.

Advanced Layout for Easy Checking and Maintenance
Catwalk surrounding the power module and center walkway provides easy access to the inspection and maintenance points.

Centralized Filters
Centralized filters contribute to easy maintenance.

Remote Drain Piping Enables Drainage from the Ground
Remote drain piping provided to drain hydraulic oil, PTO oil, engine oil and coolant enable performing drainage work from the ground.

Ground Refueling System (optional)
Remote refueling port enables ground level refueling.

Large Fuel Tank
3400 L 898 U.S. gal large fuel tank enables continuous operation for 24 hours.

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

Maintenance function
Monitor indicates replacement time of oil and filters on LCD when the replacement interval is reached.

Trouble data memory function
Monitor stores abnormalities for effective troubleshooting.
Automatic Greasing System
Greasing work equipment and bucket is fully automated. Since the system carries out automatic greasing at regular time intervals, greasing is hassle-free.

Service Center (optional)
Collective arrangement of drain and filler ports for fuel, oil, grease and coolant on the service center, which is hydraulically moved up and down, makes possible quick servicing from the ground.

Jump Start Receptacle (optional)
Jump start receptacle allows starting engine from external power source.

Large Capacity Grease Tank and Easy-to-supply Refill Piping (optional)
The machine is equipped with 200 L 52.8 U.S.gal large capacity grease tank enough to perform 24 hours operation. An optional remote refill part enables grease supply to the tank from the ground.

Battery Isolator and Starting Motor Isolator (optional)
When inspection and maintenance or storing the machine long term, the isolators serve to isolate both positive and negative terminals of the battery and starting motor.

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.

Fuel Pre-filter (with Water Separator)
Removes water and contaminants from fuel to enhance the fuel system reliability.

Reduced Maintenance Costs
Hydraulic oil filter replacement is extended from 500 to 1000 hours. Fuel filter replacement interval is extended from 500 to 1000 hours.

Dust Indicator with Five-step Indication
Informs of air cleaner clogging in five steps to warn of filter condition.

Photo may include optional equipment.
Operator first concept in every corner of the machine
An achievement in the evolution of operator performance

New Operator Cab Specially Designed for Mining
New operator cab provides a comfortable working environment. Sturdy cab of solid construction, with top guard conforms to OPG level 2 (ISO 10262).

Excellent Operational Visibility
Downward visibility is drastically improved by extending the front windshield. This facilitates the operator view of machine footing. New interior arrangement eliminates blind spots in work equipment side and provides clear and wide range surrounding visibility in combination with wide glass windows.

Step Light with Timer and Maintenance Light
Step light with timer provides light for 90 seconds to allow the operator to get off the machine.

Hammer for Emergency Escape and Fire Extinguisher
To prepare for emergencies, a hammer for emergency escape is provided at the front of the cab and a fire extinguisher at the rear.

Hydraulic-actuated Ladder
The machine is equipped with a hydraulic-actuated ladder that can be set up and folded easily for safe getting on and off.
Emergency Stop Device & Fuel Cut-off Lever

Emergency stop device is provided at two points on the power module as standard equipment. Engine start lock function of the device for use during maintenance work. In addition, fuel cut-off lever provided on the revolving frame allows stopping the engine from the ground.

Engine emergency stop switch is additionally installed to the console in the cab as standard. The remote emergency stop switch operated from the ground is available as an option.

Stepladder for Emergency Escape

In case of an emergency, the stepladder allows you to get out of the machine.

LED Working Light (optional)

LED working light with double the luminance of conventional halogen lamp is available for night work.

Interconnected Horn and Flashing Light

Allows the operator to give visual and audible notice to the dump truck operator.

Bulkhead Wall (Fire Wall)

Prevents oil from splashing into the engine room even if hydraulic hoses are broken.

Dual Rearview Mirror

Mirrors offer high visibility with fewer blind spots in left rear field of vision.

Large Twin Wiper

Large twin wiper covers windshield area and provides excellent front visibility even in the rain.

Wide Catwalk with Handrail

The machine is equipped with kickboard (100 mm 3.9” height) and large handrail all around.
Comfortable Operating Environment with Same Level of Low Noise as Passenger Cars

Integral structure of cab and new damper mounts, in combination with power module packaging, attain outstanding low noise and vibration in the cab equivalent to passenger cars.

Noise level 64.5 dB(A)
In the cab on max. engine speed under no-load condition

Spacious and Comfortable New Cab Design

Large cab designed for exclusive use in mining shovels provides enough space to relax during operation. The cab with improved air tightness is pressurized to prevent dust from entering. Combined with a large capacity twin air conditioner that cools and heats the cab effectively, ample and comfortable operating environment is realized.

Cab volume 30% increased
Compared with PC1800-6

Comfortable Air Suspension Seat

The seat with air suspension minimizes and softens vibrations transmitted to the operator. Depending on the operator’s weight and physique, the cushion can be adjusted and the seat can slide fore/aft and vertically.

Equipment designed to minimize operator fatigue
An achievement in the evolution of comfort performance
**Easy-to-see and Easy-to-use 7-inch LCD Large Monitor**

The machine is equipped with 7-inch LCD large monitor for secure, and smooth operation. Panel visibility is significantly improved by the use of the high-resolution LCD panel. The panel switch group is easy-to-use, enabling switch over of engine output and increase of lifting force during operation. Furthermore, use of function key enables the operator to perform multi-functions with ease. Character display can be selected among nine languages.
**SPECIFICATIONS**

### ENGINE

- **Model**: Komatsu SAA12V140E-3
- **Type**: 4-cycle, water-cooled, direct injection
- **Aspiration**: Turbocharged, aftercooled
- **Number of cylinders**: 12
- **Bore**: 140 mm
- **Stroke**: 165 mm
- **Piston displacement**: 30.48 L
- **Stroke**: 
- **Swing speed**: 4.8 min⁻¹
- **Governor**: All-speed, electronic
- **Swing gear**: 2 x Planetary gear

### HYDRAULIC SYSTEM

- **Type**: Open-center load sensing system
- **Number of selectable working modes**: 2
- **Main pump**: Variable displacement piston pumps
- **Maximum flow**:
  - For attachment, swing and travel: 2317 L/min (612.2 U.S. gpm)
  - For fan drive: 324 L/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**:
  - **Attachments**:
    - **Backhoe**: 29.4 MPa (300 kg/cm², 4270 psi)
    - **Loading shovel**: 29.4 MPa (300 kg/cm², 4270 psi)
  - **Travel circuit**: 32.9 MPa (335 kg/cm², 4760 psi)
  - **Swing circuit**: 32.9 MPa (335 kg/cm², 4760 psi)
  - **Pilot circuit**: 2.9 MPa (30 kg/cm², 430 psi)
- **Hydraulic cylinders**:
  - **Number of cylinders—bore x stroke**:
    - **Backhoe**: 2 - 300 mm x 2647 mm
    - **Arm**: 2 - 250 mm x 2136 mm
    - **Bucket**: 2 - 200 mm x 2170 mm
    - **Loading shovel**:
      - **Boom**: 2 - 280 mm x 1930 mm
      - **Arm**: 2 - 200 mm x 2170 mm
      - **Bucket**: 2 - 225 mm x 2050 mm
      - **Bottom dump**: 2 - 180 mm x 600 mm

### SWING SYSTEM

- **Swing gear**: 2 x Planetary gear
- **Swing circle lubrication**: Grease
- **Swing holding brakes**: Mechanical disk brakes
- **Swing speed**: 4.8 min⁻¹

### DRIVE SYSTEM

- **Travel gear**: Planetary gear
- **Gradeability**: 65%
- **Maximum travel speed**: 2.7 km/h (1.7 mph)
- **Parking brakes**: Mechanical disk 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

### COOLANT AND LUBRICANT CAPACITY (REFILLING)

- **Fuel tank**: 3400 L (898.3 U.S. gal)
- **Radiator**: 180 L (47.6 U.S. gal)
- **Engine**: 120 L (31.7 U.S. gal)
- **Swing drives**: 30 x 2 L (7.9 x 2 U.S. gal)
- **Hydraulic tank**: 1300 L (343.5 U.S. gal)
- **PTO**: 30 L (7.9 U.S. gal)

### OPERATING WEIGHT (APPROXIMATE)

#### BACKHOE

- **Operating weight**, including 8700 mm 287” boom, 3900 mm 12’10” arm, ISO 7451 heaped 12.0 m³ 15.7 yd³ general purpose backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

#### LOADING SHOVEL

- **Operating weight**, including 5950 mm 19’6” boom, 4450 mm 14’7” arm, 11.0 m³ 14.4 yd³ heaped bucket, operator, lubricants, coolant, full fuel tank and standard equipment.
**HYDRAULIC EXCAVATOR**

**PC2000-8**

**BACKHOE DIMENSIONS**

- **Boom length**: 8.7 m (28')
- **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 of cut for 8' level**: 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'')

**Bucket digging force**
- **ISO 7451, PCSA CECE Shrouds Shrouds (with Side Shrouds) (Loose) USES SYSTEM**
  - **ISO 7451, PCSA CECE Shrouds Shrouds (with Side Shrouds) (Loose) USES SYSTEM**
    - **Without Side Shrouds**: 2600 kg (5720 lb)
    - **With Side Shrouds**: 2700 kg (6000 lb)

**Arm crowd force**
- **ISO 7451, PCSA CECE Shrouds Shrouds (with Side Shrouds) (Loose) USES SYSTEM**
  - **Without Side Shrouds**: 574 kN (128,970 lb)
  - **With Side Shrouds**: 586 kN (131,840 lb)

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

**BACKHOE WORKING RANGE**

**BACKHOE BUCKET**

<table>
<thead>
<tr>
<th>BUCKET CAPACITY (HEAPED)</th>
<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ISO 7451, PCSA</strong></td>
<td><strong>CECE</strong></td>
</tr>
<tr>
<td><strong>m³</strong></td>
<td><strong>yd³</strong></td>
</tr>
<tr>
<td><strong>kg</strong></td>
<td><strong>lb</strong></td>
</tr>
<tr>
<td>12.0</td>
<td>15.7</td>
</tr>
<tr>
<td>12.0</td>
<td>15.7</td>
</tr>
<tr>
<td>13.7</td>
<td>17.9</td>
</tr>
<tr>
<td>13.7</td>
<td>17.9</td>
</tr>
</tbody>
</table>

*: Wear-resistant bucket
LOADING SHOVEL DIMENSIONS

Unit: mm ft in

LOADING SHOVEL WORKING RANGE

Working Range

<table>
<thead>
<tr>
<th>Type of bucket</th>
<th>Bottom dump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity–heaped</td>
<td>11.0 m³</td>
</tr>
<tr>
<td>A Max. cutting height</td>
<td>14450 mm</td>
</tr>
<tr>
<td>B Max. dumping height</td>
<td>9665 mm</td>
</tr>
<tr>
<td>C Max. digging depth</td>
<td>3190 mm</td>
</tr>
<tr>
<td>D Max. digging reach</td>
<td>13170 mm</td>
</tr>
<tr>
<td>E Max. digging reach at ground level</td>
<td>11940 mm</td>
</tr>
<tr>
<td>F Level crowding distance</td>
<td>4850 mm</td>
</tr>
<tr>
<td>G Min. crowd distance</td>
<td>7090 mm</td>
</tr>
<tr>
<td>Bucket digging force</td>
<td>721 kN</td>
</tr>
<tr>
<td>Arm crowd force</td>
<td>755 kN</td>
</tr>
</tbody>
</table>

LOADING SHOVEL BUCKET

<table>
<thead>
<tr>
<th>Type of bucket</th>
<th>Bottom dump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity–heaped</td>
<td>11.0 m³</td>
</tr>
<tr>
<td>Width (with side shrouds)</td>
<td>3220 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>14400 kg</td>
</tr>
<tr>
<td>Tooth system</td>
<td>XS145</td>
</tr>
<tr>
<td>No. of bucket teeth</td>
<td>6</td>
</tr>
<tr>
<td>Max. material density</td>
<td>1.8 t / m³</td>
</tr>
</tbody>
</table>
**LIFTING CAPACITY**

**PC2000-8**

**Equipment:**
- Boom: 8.7 m 287°
- Arm: 3.9 m 12'10"
- Bucket: 12.0 m² 15.7 yd³
- Bucket weight: 9700 kg 21,380 lb
- Track shoe width: 810 mm 32"

**Rated Loads:**
- Based on SAE standard No. J/ISO10567.
- Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

<table>
<thead>
<tr>
<th>A</th>
<th>Maximum</th>
<th>Unit: kg lb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B</strong></td>
<td><strong>7.6 m</strong></td>
<td><strong>20'</strong></td>
</tr>
<tr>
<td></td>
<td><strong>25'</strong></td>
<td><strong>10.7 m 35'</strong></td>
</tr>
<tr>
<td>Cf</td>
<td>Csf</td>
<td>Cfs</td>
</tr>
<tr>
<td>-6.1 m</td>
<td>23400</td>
<td>23400</td>
</tr>
<tr>
<td>15</td>
<td>51500</td>
<td>51500</td>
</tr>
<tr>
<td>1.5 m</td>
<td>29450</td>
<td>21450</td>
</tr>
<tr>
<td>0</td>
<td>98900</td>
<td>25050</td>
</tr>
<tr>
<td>-15'</td>
<td>30250</td>
<td>27000</td>
</tr>
<tr>
<td>-10'</td>
<td>96900</td>
<td>96900</td>
</tr>
<tr>
<td>-5'</td>
<td>96900</td>
<td>96900</td>
</tr>
<tr>
<td>0'</td>
<td>96900</td>
<td>96900</td>
</tr>
<tr>
<td>10'</td>
<td>63200</td>
<td>53100</td>
</tr>
<tr>
<td>15'</td>
<td>39750</td>
<td>29750</td>
</tr>
<tr>
<td>20'</td>
<td>56700</td>
<td>55200</td>
</tr>
<tr>
<td>3.0 m</td>
<td>23200</td>
<td>23200</td>
</tr>
<tr>
<td>30'</td>
<td>97000</td>
<td>97000</td>
</tr>
<tr>
<td>4.6 m</td>
<td>59650</td>
<td>59650</td>
</tr>
<tr>
<td>6.1 m</td>
<td>59650</td>
<td>59650</td>
</tr>
<tr>
<td>7.6 m</td>
<td>59650</td>
<td>59650</td>
</tr>
</tbody>
</table>

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard No. J/ISO10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.*
Specifications shown include the following equipment:

**Backhoe:** boom 8700 mm (28'7"), arm 3900 mm (12'10"), bucket 12.0 m³ (15.7 yd³), shoes 810 mm (32" double grouser)

**Loading Shovel:** boom 5950 mm (19'6"), arm 4450 mm (14'7"), bucket 11.0 m³ (14.4 yd³), shoes 810 mm (32" double grouser)

---

**Work equipment assembly - Backhoe**

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Weight (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>9170</td>
<td>2065</td>
<td>3195</td>
</tr>
<tr>
<td>Arm</td>
<td>5495</td>
<td>1605</td>
<td>2055</td>
</tr>
<tr>
<td>Bucket</td>
<td>3540</td>
<td>2790</td>
<td>2320</td>
</tr>
</tbody>
</table>

---

**Work equipment assembly - Loading Shovel**

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Weight (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>6400</td>
<td>1740</td>
<td>2000</td>
</tr>
<tr>
<td>Arm</td>
<td>4900</td>
<td>1450</td>
<td>1700</td>
</tr>
<tr>
<td>Bucket</td>
<td>3500</td>
<td>3190</td>
<td>2920</td>
</tr>
</tbody>
</table>

---

**Others**

Catwalk, step, handrail, small removed parts, etc.
STANDARD EQUIPMENT

ENGINE AND RELATED ITEMS:
- Air cleaner, double element dry (inside mounted)
- Two cooling fans with fan guard (Hydraulic driven, for radiator and oil cooler)
- Engine, Komatsu SAA12V140E-3
- Fuel pre-filters with water separators

ELECTRICAL SYSTEM:
- Alternators, 2 x 24 V/90 A
- Batteries, 4 x 12 V/140 Ah
- Starting motors, 2 x 11 kW
- Working lights, 4 on boom, 4 on cab base, 3 on fuel tank top front, 1 left front and 1 left under cab side catwalk
- Auto-decelerator and auto-idling system
- AM/FM radio
- Lighting 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, aspiray and cup holders
- Instrument panel with electronic display/monitor system (7” 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 10262)
- Automatic air conditioners (A/C) (twin)
- Seat, fully adjustable air suspension with retractable seat belt
- Trainer’s seat
- Sun shield
- Fire extinguisher
- Emergency engine stop switch
- Lock lever

HYDRAULIC SYSTEM:
- Open-center load sensing system
- 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 L 52.8 U.S. gal.
- Manual grease gun for track adjuster
- Hydraulic-actuated ladder
- Step ladder for emergency escape
- Fuel tank, 3400 L 898 U.S. gal.
- Automatic swing holding brake
- Emergency engine stop switch and fuel cut-off lever
- Maintenance light
- Step light with timer
- Light in machine cab
- Travel alarm
- Wide catwalk with kickboard (100 mm 3.9” height) and large handrail
- Interconnected horn and flashing light
- Dual rearview mirrors
- KOMTRAX Plus

OPTIONAL EQUIPMENT

- Additional 6 fuses and terminals
- Arm (Backhoe):
  - 3900 mm 12’10” arm assembly
- Arm (Loading shovel):
  - 4450 mm 14’7” arm assembly
- Boom (Backhoe):
  - 5700 mm 28’7” boom assembly
- Boom (Loading shovel):
  - 5950 mm 19’6” boom assembly
- LED lamp system
- Rearview monitor system
- Cab front guard
- Preventive Maintenance (PM) tune-up service connection

- Track shoe, 1010 mm 40” triple grouser
- Center frame under cover
- Grease refill system
- Service center (Grease shut-off valve available to order)
- Isolators, battery and starter
- Jump start receptacle
- Satellite communication system for KOMTRAX Plus (Orbcomm)
- Heavy-duty rock bucket
- 55˚C spec.
- Additional filter system for poor-quality fuel
- Additional pre-cleaner for engine air filter (Enginaire)
- Full length track guiding guards
- Ground refueling system