HORSEPOWER
Gross: 370 kW 496 HP / 1800 rpm
Net: 363 kW 487 HP / 1800 rpm

OPERATING WEIGHT
78600 – 79800 kg
173,280 – 175,930 lb

Photo may include optional equipment.
WALK-AROUND

Productivity Features
● High Work Equipment Speed
  Arm quick return circuit enables loading work to be quicker than ever, by reducing hydraulic pressure loss of arm dumping.
● Heavy Lift Mode
  The heavy lift mode increases lifting force by 10%.
● Large Digging Force
  Pressing the Power Max. function button temporarily increases the digging force.
● Two-mode Setting for Boom
  Switch selection allows either powerful digging or smooth boom operation.
● Large Drawbar Pull and Steering Force
  provide excellent mobility.
● Swing Priority Mode
  The swing priority mode improves efficiency for loading dump trucks.
● Shockless Boom Control
  Switch selection reduces chassis vibration after sudden stops.

See page 5.

Maintenance Features
● Easy Cleaning of Cooling Unit
  Fan reverse-rotation function facilitates clogged radiator cleaning.
● Easy Checking and Maintenance of Engine
● Large Handrail, Step and Catwalk
  provide easy access to the engine and hydraulic equipment.

See page 11.

Excellent Reliability and Durability
● Strengthened Boom and Arm
● KMAX Bucket Teeth offer superior penetration and long-term sharpness.
● Fuel Pre-filter with water separator and High Efficiency Fuel Filter equipped as standard.
● O-ring Face Seals, which have excellent sealing performance, are used for the hydraulic hoses.
● High-pressure In-line Filtration
  The cool-running hydraulic system is protected with the most extensive filtration system available, including a high pressure in-line filter for each main pump.

See pages 6, 7.

● Highly Reliable Electronic Devices
  Exclusively designed electronic devices have passed severe testing.
  • Controllers • Sensors • Connectors
  • Heat resistant wiring • Circuit breaker
● Boom Foot Hoses are arranged under the boom foot, improving hose life and safety.
Ecology and Economy Features

- **Low Emission Engine**
  A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D140E-5 provides 363 kW 487 HP. This engine is U.S. EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

- **Economy Mode Four-level Setting**
  Enables operator to select the appropriate Economy mode level to match production requirement with lowest fuel consumption.

- **Reduction of Ambient Noise**
  - Electronically controlled variable speed fan drive
  - Large hybrid fan
  - Low-noise muffler

- **Mode Selection**
  - Economy mode improves fuel consumption.
  - ECO gauge for energy-saving operations
  - Extended idling caution for fuel conservation
  - Auto deceleration and auto idling system reduce fuel consumption.

See pages 4, 5.

Working Environment

- **Large Comfortable Cab**
  - Low-noise cab
  - Low vibration with cab damper mounting
  - Highly pressurized cab with optional air conditioner (A/C)
  - Operator seat and console with armrest that enables operations in the appropriate operational posture.
  - OPG top guard level 2 (ISO 10262) capable with bolt-on top guard

See pages 8, 9.

Large Liquid Crystal Display (LCD) Monitor

- Easy-to-see and use 7" large multi-function color monitor
- Can be displayed in 12 languages for global support.

See page 10.
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 environment friendly excavators.

Low Emission Engine
Komatsu SAA6D140E-5 engine is U.S. EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

Electronically Controlled Variable Speed Fan Contributes to Low Fuel Consumption and Low Noise
The electronic control system sets the revolution speed of the cooling fan according to the coolant, hydraulic oil, and ambient temperature; effectively uses the engine output to prevent wasteful fuel consumption; and reduces noise during low-speed fan revolution.

Lower and Economical Fuel Consumption Using Economy Mode
Enables operator to set the Economy mode to four levels according to working conditions so that production requirement is achieved at lowest fuel consumption.

Reduction of Ambient Noise
Reduced noise by adoption of an electronically controlled variable speed fan drive, large hybrid fan and low-noise muffler.

ECO gauge that Assists Energy-saving Operations
ECO gauge is equipped for environment friendly energy-saving operations. Focus on operation in the green range allows reduction of CO2 emission and fuel consumption.
Large Digging Force
With the one-touch Power Max. function digging force is further increased. (8.0 seconds of operation)

Maximum arm crowd force (ISO 6015):
- 298 kN (30.4 tonf) ➔ 327 kN (33.3 tonf) 9.4% UP
  (With Power Max.)

Maximum bucket digging force (ISO 6015):
- 363 kN (37.0 tonf) ➔ 397 kN (40.5 tonf) 9.4% UP
  (With Power Max.)

*Measured with Power Max. function, 3600 mm 11’10” arm and ISO 6015 rating

Work Equipment Speed
An arm quick return circuit is provided for arm dumping. This returns a portion of oil flow directly to the hydraulic tank at arm dumping to reduce the hydraulic pressure loss. Speedier loading work can be accomplished by work equipment with quicker movement.

Large Drawbar Pull and Steering Force
Since the machine has a large drawbar pull and a high steering force, it demonstrates excellent mobility even when it is on inclined sites.

Two-mode Setting for Boom
Smooth mode provides easy operation for gathering blasted rock and scraping operations. When maximum digging force is needed, switch to power mode for more effective excavating.

Shockless Boom Control
The PC850-8E0 boom circuit features a shockless valve (Double-check slow return valve) to automatically reduces the amount of vibration present when operating the boom. Operator fatigue is reduced (Which can improve safety and productivity), and spillage caused by vibration is minimized.

---

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

Auto Deceleration and Auto Idling System
Auto deceleration system is equipped to reduce fuel consumption and operating noise. Also, engine idling speed can be set at a lower speed on monitor with auto idling system.

Working Modes Selectable
P and E modes established work modes are further improved.

- **P mode** – Power or work priority mode has low fuel consumption, but fast equipment speed and maximum production and power are maintained.
- **E mode** – Economy or fuel saving mode further reduces fuel consumption, but maintains the P-mode-like working equipment speed for light duty work.

You can select Power or Economy modes using a one-touch operation on the monitor panel depending on workloads.

Heavy Lift Mode
Gives 10% more lifting force when needed for handling rock or heavy lifting applications.

Swing Priority Mode
The swing priority mode allows the operator to use the same easy motion for 180° loading as 90° loading operations. By altering the oil flow, this setting allows you to select either boom or swing as the priority for increased production.

<table>
<thead>
<tr>
<th>Selection</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Oil flow to the swing motor is increased. 180° loading operations are most efficient.</td>
</tr>
<tr>
<td>OFF</td>
<td>Oil flow to the boom is increased. 90° loading operations are most efficient.</td>
</tr>
</tbody>
</table>

---

Working Modes Selectable

- **P** Work priority
  - **P mode**
  - **E mode** Fuel priority
    - **E** Economy mode
      - **E mode**
        - Power mode
      - **E mode** Fuel mode
        - Power mode
      - **E mode** Economy mode
        - Power mode
      - **E mode** Economy mode
        - Power mode
      - **E mode** Economy mode
        - Power mode
      - **E mode** Economy mode
RELIABILITY & DURABILITY FEATURES

Excellent Reliability and Durability

**Boom Foot Hoses**
The boom foot hoses are arranged under the boom foot to reduce hose bend during operation, extending hose life and improving operator safety.

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

**Circuit Breaker**
With circuit breaker, the machine can be easily restarted after repair.

**Strengthened Boom and Arm**
Thanks to the large cross-sectional structure employing a high tensile strength steel with a thick plate, partition wall, etc., the boom and arm exhibit excellent durability and are highly resistant to bending and torsional stress.

**High Efficiency Fuel Filter**
Fuel system reliability is even better with high efficiency fuel filter.

**High-pressure In-line Filtration**
The PC850-8E0 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failures caused by contamination.

**Sturdiness Undercarriage**
The undercarriage is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock.

**Strengthened Revolving Frame Underguard**
Guards the machine pipings against being hit by rocks from below and prevents hydraulic components and the engine from being damaged.

**Metal Guard Rings**
Metal guard rings protect all the hydraulic cylinders and improve reliability.

**Frame Structure**
The revolving frame mount and center frame mount on the swing circle are no welding structure so that force is transmitted directly to the thick plate of the frame without passing through any welding.

**O-ring Face Seal**
The hydraulic hose seal method has been changed from a conventional taper seal to an O-ring seal. This provides improved sealing performance during operation.

**Heat-resistant Wiring**
Heat-resistant wiring is used for the engine electric circuit and other major component circuit.
Strengthened Quarry Bucket Provides Outstanding Wear-resistance

The PC850-8E0 has the bucket for specific use in quarry, that is strong in impact and wear, and providing high performance and long life. Komatsu KVX’s hard materials* provide excellent wear resistance. Combined with adoption of long-life KMAX teeth, durability of bucket is drastically enhanced.

* Komatsu KVX’s hard materials:
Komatsu KVX developed, wear-resistant, reinforced materials.
Brinell hardness: 500 or more (180kgf/mm² class). Features high wear-resistance and little quality change from the heat generated during rock loading, maintaining long term hardness.

KMAX Tooth

• Unique bucket tooth shape, superior digging performance
• Long-term high sharpness
• Great penetration performance
• Hammerless, safe, and easy tooth replacement
(Tooth replacement time: Halves the conventional machine.)

Photo may include optional equipment.
Low Noise Design Cab
The newly-designed cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allows the operator to work in quiet condition.

Operator ear's noise 2 dB(A) reduced
Compared with the current model

Rigid and Safe Operator's Cab
OPG top guard level 2 (ISO 10262)
The OPG top guard securely protects the operator’s cab and conforms to the ISO 10262.

Additional head lamp
Night operation is safe.

Single sheet fixed glass
The glass installed in the machine has excellent visibility since it is laminated to prevent shortening and has less vibration.

See-through skylight equipped with a sun shade
The upward visibility is excellent.
Wide Newly-designed Cab
Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Multi-position Controls
The multi-position, Pressure Proportional Control (PPC) levers allow the operator to work in comfort while maintaining precise control. A double-slide mechanism allows the seat and control levers to move together or independently, allowing the operator to position the controls for maximum productivity and comfort.

Pressurized Cab
Optional air conditioner, air filter and a higher internal air pressure (+6.0 mm Aq +0.2”Aq) prevent external dust from entering the cab.

Low Vibration with Cab Damper Mounting
PC850-8E0 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.

Automatic A/C (Optional)
Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD. The bi-level control function keeps the operator’s head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps front glass clear.

Safety Features
Step Light with Timer provides light for about one minute to allow the operator to get off the machine safely.

Pump/Engine Room Partition prevents oil from spraying on the engine if a hydraulic hose should burst.

Thermal and Fan Guards are placed around high-temperature parts of the engine and fan drive.

Slip-resistant Plates Spiked plates on working areas provide slip-resistant plates performance.

Horn Interconnected with Warning Light (Optional) gives visual and audible notice of the excavator’s operation when activated.

Lower Wiper (Optional) Lower windshield wiper improves visibility in rain.

Rear View Monitoring System (Optional) The operator can view the rear of the machine with a color monitor screen.
Large LCD Color Monitor

Large Multi-lingual LCD Monitor
A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of LCD that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 12 languages to support operators around the world.

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

Basic operation switches
1. Auto-decelerator & auto idling
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Mode Selection
The multi-function color monitor has Power mode and Economy mode (Four levels).

<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>P (P0, P1)</td>
<td>Power Mode</td>
<td>● Maximum production/power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Fast cycle time</td>
</tr>
<tr>
<td>E (E0, E1, E2, E3)</td>
<td>Economy Mode</td>
<td>● Good cycle time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>● Good fuel economy</td>
</tr>
</tbody>
</table>

Additionally, it is possible to select “Heavy lift mode” or “Swing priority mode” for each Power mode and Economy mode.

<table>
<thead>
<tr>
<th>Selection</th>
<th>Display on the monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy lift mode</td>
<td></td>
</tr>
<tr>
<td>Swing priority mode</td>
<td></td>
</tr>
</tbody>
</table>

Equipment Management Monitoring System

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

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

Trouble Data Memory Function
Monitor stores abnormalities for effective troubleshooting.
**Maintenance Features**

**Easy Checking and Maintenance of Engine**
Engine check points are concentrated on one side of the engine to facilitate daily checks. Thermal guards are placed around high-temperature parts such as turbocharger.

**Wide Catwalk**
Easier, safer operator cab access and maintenance checks.

**Steps Connected to the Machine Cab**
Steps allows access from left hand catwalk to top of machine for engine check and maintenance.

**Washable Cab Floormat**
Cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

**One-touch Drain Cock**
Easier, cleaner engine oil changes.

**Easy Cleaning of Cooling Unit**
Reverse-rotation function of the hydraulic driven fan facilitates cleaning of the cooling unit. In addition, this function contributes to reducing warming-up run time in low temperature and discharging hot air from the engine room to keep appropriate heat balance.

**Convenient Utility Space**
Utility space provides great convenience to store tools, spare parts, etc.

**Divided Type Engine Cover**
The divided engine cover allows easily access to inspection points around the engine.

**Long-life Oil, Filter**
Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

**Engine oil & Engine oil filter** every 500 hours
**Hydraulic oil** every 5000 hours
**Hydraulic oil filter** every 1000 hours

**Dust Indicator with 5-step Indication**
Informs of air cleaner clogging in 5 steps to warn of filter condition.

**Electric Pump, Grease Gun with Indicator (Optional)**
Greasing is made easy with the electric pump, grease gun with indicator.
**ENGINE**

Model: Komatsu SAA6D140E-5
Type: 4-cylinder, water-cooled, direct injection
Aspiration: Turbocharged, aftercooled, cooled EGR
Number of cylinders: 6
Bore: 140 mm
Stroke: 165 mm
Piston displacement: 15.24 l
Relief valve setting:
Governor: All-speed, electronic

**Rated rpm**
- Fan drive: 1800 rpm

**Horsepower**
- Low: 454 HP
- High: 487 HP

**Number of cylinders**
- 6

**Aspiration**
- Turbocharged, aftercooled, cooled EGR

**Type**
- 4-cycle, water-cooled, direct injection

**Swing speed**
- 6.8 rpm

**Swing lock**
- Oil disc brake

**Swing circle lubrication**
- Grease-bathed

**Swing reduction**
- Planetary gear

**Driven method**
- Hydraulic motors

**Fan drive**
- Hydraulic

**Governor**
- All-speed, electronic

**Swing drive**
- Hydraulic

**Radiator**
- 11'10" arm, SAE heaped

**COOLANT AND LUBRICANT**

**OPERATING WEIGHT (APPROXIMATE)**

PC850-8E0: Operating weight, including 8040 mm 265" boom, 3600 mm 11'10" arm, SAE heaped 3.4 m³ 4.45 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

PC850-8E0 Super Earth mover (SE) spec.: Operating weight, including 7100 mm 23'4" boom, 2945 mm 9'8" arm, SAE heaped 4.3 m³ 5.62 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

<table>
<thead>
<tr>
<th>Shoes</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>610 mm</td>
<td>174,160 lb</td>
<td>3.1 kPa/cm²</td>
</tr>
<tr>
<td>710 mm</td>
<td>175,930 lb</td>
<td>1.1 kPa/cm²</td>
</tr>
</tbody>
</table>

**UNDERCARRIAGE**

Center frame: H-leg frame
Track frame: Box-section
Seal of track: Sealed
Track adjuster: Hydraulic

**No. of shoes**
- 47 each side
- 3 each side
- 8 each side

**DRIVES AND BRAKES**

Steering control: Two levers with pedals
Drive method: Fully hydrostatic
Travel motor: Axial piston motor, in-shoe design

**Reduction system**
- Planetary triple reduction

**Maximum drawbar pull**
- 559 kN 57000 kgf 125,660 lb

**Gradeability**
- 70%

**Maximum travel speed**
- Low: 2.8 km/h = 1.7 mph
- High: 4.2 km/h = 2.6 mph

**Service brake**
- Hydraulic lock

**Hydraulic tank**
- 5.62 yd³ backhoe bucket, operator, lubricant, coolant, full fuel tank,
These charts are based on over-side stability with fully loaded bucket at maximum reach.

- General purpose use, density up to 1.5 t/m³, 3,000 lb/yd³
- General purpose use, density up to 1.8 t/m³, 3,000 lb/yd³
- General purpose use, density up to 1.2 t/m³, 2,500 lb/yd³
- Not useable

### BACKHOE DIMENSIONS

<table>
<thead>
<tr>
<th>PC850-8E0</th>
<th>PC850-8E0 SE Spec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Height A</td>
<td>4850 mm 15'11&quot;</td>
</tr>
<tr>
<td>Overall Length B</td>
<td>13995 mm 45'11&quot;</td>
</tr>
</tbody>
</table>

### HYDRAULIC EXCAVATOR

<table>
<thead>
<tr>
<th>Bucket Capacity (Heaped)</th>
<th>Width</th>
<th>Weight (With Side Cutters) kg lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE J 296, PCSA m³ yd³</td>
<td>Without Side Shrouds mm in</td>
<td>With Side Shrouds mm in</td>
</tr>
<tr>
<td>4.0*</td>
<td>5.23</td>
<td>3.5</td>
</tr>
<tr>
<td>4.0*</td>
<td>5.23</td>
<td>3.5</td>
</tr>
<tr>
<td>4.5</td>
<td>5.89</td>
<td>4.0</td>
</tr>
<tr>
<td>4.0</td>
<td>5.23</td>
<td>3.5</td>
</tr>
<tr>
<td>4.0</td>
<td>5.23</td>
<td>3.5</td>
</tr>
<tr>
<td>4.5</td>
<td>5.89</td>
<td>4.0</td>
</tr>
</tbody>
</table>

### BACKHOE BUCKET, ARM, AND BOOM COMBINATION

<table>
<thead>
<tr>
<th>PC850-8E0</th>
<th>PC850-8E0 SE Spec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket digging force (SAE J 1179) at power max.</td>
<td>35200 kgf / 77,600 lb</td>
</tr>
<tr>
<td>Arm crowd force (SAE J 1179) at power max.</td>
<td>31800 kgf / 70,110 lb</td>
</tr>
<tr>
<td>Bucket digging force (ISO 6015) at power max.</td>
<td>40500 kgf / 89,290 lb</td>
</tr>
<tr>
<td>Arm crowd force (ISO 6015) at power max.</td>
<td>33300 kgf / 73,410 lb</td>
</tr>
</tbody>
</table>

### WORKING RANGE

<table>
<thead>
<tr>
<th>Arm Length m ft in</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.6</td>
</tr>
<tr>
<td>2.9</td>
</tr>
</tbody>
</table>

*For heavy duty

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

- General purpose use, density up to 1.8 t/m³, 3,000 lb/yd³
- General purpose use, density up to 1.5 t/m³, 2,500 lb/yd³
- Not useable
### LIFTING CAPACITY

#### PC850-8E0

<table>
<thead>
<tr>
<th>Equipment:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Boom: 8.04 m 26'5&quot;</td>
</tr>
<tr>
<td>- Arm: 3.6 m 11'10&quot;</td>
</tr>
<tr>
<td>- Bucket: 3.4 m³ 4.45 yd³</td>
</tr>
<tr>
<td>- Shoe: 610 mm 24&quot;</td>
</tr>
<tr>
<td>- Counterweight: 11.85 ton 26,120 lb</td>
</tr>
</tbody>
</table>

#### HEAVY LIFT "OFF"

<table>
<thead>
<tr>
<th></th>
<th>Maximum</th>
<th>9.0 m 29'</th>
<th>7.5 m 24'</th>
<th>6.0 m 19'</th>
<th>4.5 m 14'</th>
<th>3.0 m 9'</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td><strong>1.930</strong></td>
<td><strong>865</strong></td>
<td><strong>19,000</strong></td>
<td><strong>11050</strong></td>
<td><strong>24,400</strong></td>
<td><strong>24,400</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7250</strong></td>
<td><strong>29,200</strong></td>
<td><strong>12350</strong></td>
<td><strong>12300</strong></td>
<td><strong>16450</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
<td><strong>32,600</strong></td>
<td><strong>10550</strong></td>
<td><strong>10550</strong></td>
<td><strong>18700</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
<td><strong>32,600</strong></td>
<td><strong>10550</strong></td>
<td><strong>10550</strong></td>
<td><strong>18700</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
<td><strong>32,600</strong></td>
<td><strong>10550</strong></td>
<td><strong>10550</strong></td>
<td><strong>18700</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
<td><strong>32,600</strong></td>
<td><strong>10550</strong></td>
<td><strong>10550</strong></td>
<td><strong>18700</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
<td><strong>32,600</strong></td>
<td><strong>10550</strong></td>
<td><strong>10550</strong></td>
<td><strong>18700</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
<td><strong>32,600</strong></td>
<td><strong>10550</strong></td>
<td><strong>10550</strong></td>
<td><strong>18700</strong></td>
</tr>
</tbody>
</table>

#### HEAVY LIFT "ON"

<table>
<thead>
<tr>
<th></th>
<th>Maximum</th>
<th>9.0 m 29'</th>
<th>7.5 m 24'</th>
<th>6.0 m 19'</th>
<th>4.5 m 14'</th>
<th>3.0 m 9'</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td><strong>1.9550</strong></td>
<td><strong>865</strong></td>
<td><strong>19,000</strong></td>
<td><strong>12850</strong></td>
<td><strong>28,300</strong></td>
<td><strong>28,300</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7250</strong></td>
<td><strong>13500</strong></td>
<td><strong>23000</strong></td>
<td><strong>23000</strong></td>
<td><strong>18950</strong></td>
</tr>
<tr>
<td>C</td>
<td><strong>21,700</strong></td>
<td><strong>7150</strong></td>
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#### PC850-8E0 Super Earth mover (SE) spec.

<table>
<thead>
<tr>
<th>Equipment:</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Boom: 7.1 m 23'4&quot;</td>
</tr>
<tr>
<td>- Arm: 2.9 m 9'8&quot;</td>
</tr>
<tr>
<td>- Bucket: 4.3 m³ 5.62 yd³</td>
</tr>
<tr>
<td>- Shoe: 610 mm 24&quot;</td>
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<tr>
<td>- Counterweight: 11.85 ton 26,120 lb</td>
</tr>
</tbody>
</table>

#### HEAVY LIFT "OFF"

<table>
<thead>
<tr>
<th></th>
<th>Maximum</th>
<th>9.0 m 29'</th>
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* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
**Backhoe**

Specs shown include the following equipment:

**STD spec.:**
- Work equipment assembly (Backhoe)
  - STD spec.: Boom 8040 mm 26'5", Arm 3600 mm 11'10", Bucket 3.4 m³ 4.45 yd³, Shoes 610 mm 24" double grouser
  
**SE spec.:**
- Work equipment assembly (Backhoe)
  - SE spec.: Boom 7100 mm 23'4", Arm 2945 mm 9'8", Arm 3600 mm 11'10", Bucket 4.3 m³ 5.62 yd³, Shoes 610 mm 24" double grouser

### 3 Kits Transportation

**Work equipment assembly (Backhoe)**

- **STD spec.:**
  - Boom: 8.1 t 8370 x 2695 x 1500
  - Arm: 4.5 t 4765 x 1450 x 710
  - Bucket: 3.8 t 2470 x 1880 x 2070
  - Total: 2.5 t

- **SE spec.:**
  - Boom: 7.3 t 7430 x 2480 x 1500
  - Arm: 4.9 t 4075 x 1690 x 710
  - Bucket: 3.8 t 2280 x 1950 x 2250
  - Total: 2.5 t

**Upper structure**

- Width: 3225 x 1880 x 1500
- Weight: 26.3 t 29.0 U.S.ton

**Undercarriage**

- Width: 5610 x 1945 x 1500
- Weight: 24.6 t 26.9 U.S.ton

**Others**

- Weight: 12.4 t 13.4 U.S.ton

**Weight:**
- STD spec.: 18.9 t 20.8 U.S.ton
- SE spec.: 18.5 t 20.5 U.S.ton

### 4 Kits Transportation

**Work equipment assembly (Backhoe)**

- **STD spec.:**
  - Boom: 8.1 t 8370 x 2695 x 1500
  - Arm: 4.5 t 4765 x 1450 x 710
  - Bucket: 3.8 t 2470 x 1880 x 2070
  - Total: 2.5 t

- **SE spec.:**
  - Boom: 7.3 t 7430 x 2480 x 1500
  - Arm: 4.9 t 4075 x 1690 x 710
  - Bucket: 3.8 t 2280 x 1950 x 2250
  - Total: 2.5 t

**Upper structure**

- Width: 3225 x 1880 x 1500
- Weight: 26.3 t 29.0 U.S.ton

**Undercarriage**

- Width: 5610 x 1945 x 1500
- Weight: 24.6 t 26.9 U.S.ton

**Others**

- Weight: 12.4 t 13.4 U.S.ton

**Weight:**
- STD spec.: 18.9 t 20.8 U.S.ton
- SE spec.: 18.5 t 20.5 U.S.ton
STANDARD EQUIPMENT

ENGINE AND RELATED ITEMS:
- Air cleaner, double element, dry
- Engine, Komatsu SAA6D140E-5
- Variable speed cooling fan, with fan guard

ELECTRICAL SYSTEM:
- Alternator, 24 V/60 A
- Auto decelerator and auto idling system
- Batteries, 2 x 12 V/170 A
- Starting motors, 11 kW
- Step light with timer
- Working lights: 2 boom, 2 cab top front, 1 right front

UNDERCARRIAGE:
- 610 mm 24” double grouser
- 8 track/3 carrier rollers (Each side)
- Hydraulic track adjusters (Each side)
- Sealed track
- Variable track gauge

GUARDS AND COVERS:
- Dust-proof net for radiator and oil cooler
- Full length track guard
- OPG top guard level 2 (ISO 10262)
- Pump/engine room partition cover
- Strengthened revolving frame underguard
- Travel motor guards

OPERATOR ENVIRONMENT:
- Cab with fixed front window
- Damper mount, all-weather, sound-suppressed cab with tinted safety glass windows, lockable door, intermittent window wiper and washer, floor mat, cigarette lighter and ashtray
- Multi-function color monitor, electronically-controlled throttle dials, electric service meter, gauges (Coolant temperature, hydraulic oil temperature and fuel level), caution lights (Electric charge, engine oil pressure, and air cleaner clogging), indicator lights (Engine preheating and swing lock light) level check lights (Coolant, engine oil, and hydraulic oil level), self-diagnostic system with trouble data memory
- Rear view mirror (RH and LH)
- Seat, fully adjustable with suspension

HYDRAULIC CONTROLS:
- Control levers and pedals for steering and travel with PPC system
- Control levers, wrist control levers for arm, boom, bucket, and swing with PPC system
- Fully hydraulic, with Electronic Open-center Load Sensing System (EOLSS) and engine speed sensing (Pump and engine mutual control system)
- Heavy lift mode system
- In-line filter
- Oil cooler
- One axial piston motor per track for travel with counter balance valve
- Power max. function
- Shockless boom control
- Swing priority mode system
- Two axial piston motors for swing with single-stage relief valve
- Two control valves, 5+4 spools (Boom, arm, bucket, swing, and travel)
- Two-mode setting for boom
- Two variable capacity piston pumps

DRIVE AND BRAKE SYSTEM:
- Brakes, hydraulic lock travel brakes, oil disc parking
- Hydrostatic two travel speed system with planetary triple reduction final drive

OTHER STANDARD EQUIPMENT:
- Automatic swing holding brake
- Catwalk
- Counterweight, 11850 kg 26,120 lb
- Horn, electric
- Large handrails
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- Preventive Maintenance (PM) tune-up service connector
- Rear reflector
- Slip-resistant plates
- Travel alarm

OPTIONAL EQUIPMENT
- 12 V electric supply
- Air suspension seat
- Alternator, 24 V/90 A
- Arms (Backhoe):
  - PC850-8E0:
    - 3600 mm 11'10” HD arm assembly
  - PC850-8E0 SE spec.:
    - 2945 mm 9'8” SE arm assembly
  - 3600 mm 11'10” SE arm assembly
- Auto A/C
- Booms (Backhoe):
  - PC850-8E0:
    - 8040 mm 26'5” boom assembly
- PC850-8E0 SE spec.:
  - 7100 mm 23'4” boom assembly
- Cab front guard level 2 (ISO 10262)
- Coolant heater
- Double flange track roller
- Electric pump, grease gun with indicator
- Fire extinguisher
- General tool kit
- Interconnected horn and warning light
- Large-capacity batteries
- Lower wiper
- Provision for fast fuel fill
- Radio AM/FM
- Rain visor
- Rear view monitoring system
- Seat belt 78 mm 3”
- Shoes:
  - 710 mm 28” double grouser
- Spare parts for first service
- Track frame undercover (Center)
- Vandalism protection locks

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Materials and specifications are subject to change without notice.