Photos may include optional equipment.
**HIGH PRODUCTIVITY & LOW FUEL CONSUMPTION**
- Powerful Engine
- Dual-mode Select System
- Transmission Mode Select System
- Maximum Dumping Clearance and Reach

**INCRASED RELIABILITY**
- Reliable Komatsu Components
- High-rigidity Frames
- Wet Multiple-disc Brakes and Fully Hydraulic Braking System

**EASY MAINTENANCE**
- Equipment Management Monitoring System
- Gull-wing Type Engine Side Doors Open Wide
- Reversible Cooling Fan (Optional) and Swing-out Cooler Elements

**EXCELLENT OPERATOR ENVIRONMENT**
- Pillar-less Large Cab
- Fingertip Work Equipment Control Lever
- Electrically Controlled Transmission Lever
- Automatic Transmission with Electronically Controlled Modulation Valve

**SAFETY**
- ROPS/FOPS Cab (ISO 3471/ISO 3449)
- Rear-hinged Full Open Cab Door

**KOMTRAX**
- KOMTRAX

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**WA470-5**

**HORSEPOWER**
- Gross: 204 kW / 273 HP / 2000 min⁻¹
- Net: 195 kW / 261 HP / 2000 min⁻¹

**OPERATING WEIGHT**
- 22085 – 22315 kg

**BUCKET CAPACITY**
- 3.6 – 5.2 m³
The electronically controlled fuel injection timing in the SAA6D125E-3 engine provides optimum combustion of fuel at both low and high speed/power applications. This system also provides fast throttle response to match the machine’s powerful rim pull and fast hydraulic response.

195 kW 261 HP (Net)

The common rail type fuel injection system provides maximum power with minimum emissions. This engine is U.S. EPA Tier 2 and EU Stage 2 emissions certified.

### Dual-mode Select System

This wheel loader offers two selectable operating modes—Normal and Power. The operator can adjust the machine’s performance by flipping a switch.

- **Normal Mode**: This mode provides maximum fuel efficiency for most of general loading.
- **Power Mode**: This mode provides maximum power output for hard digging operation or hill climb.

### Low Fuel Consumption

The fuel consumption is reduced greatly because of the low-noise, high-torque engine and the large-capacity torque converter with maximum efficiency in the low-speed range.
Transmission Mode Select System

This operator controlled system allows the operator to select manual shifting or three levels of automatic shifting (low, medium, and high).

- **Manual**: Transmission is fixed to gear speed selected with gear shift lever.
- **Auto. H**: This mode provides large rim pull and short cycle time since gear shifting is performed at relatively high engine speeds, suitable for load and carry operation on uphill.
- **Auto. M**: Gear is shifted at medium engine speeds between those of L and H modes.
- **Auto. L**: This mode provides smooth gear change and low fuel consumption since gear shifting is performed at relatively low engine speeds, suitable for general excavating and loading.

New Dual-speed Hydraulic System

Komatsu’s dual-speed hydraulic system increases operational efficiency by matching the hydraulic demands to work conditions. Oil from the switch pump is completely returned to the tank when digging and breaking out, therefore, hydraulic flow to the loader is reduced and pressure is increased. This reduces horsepower demand from the engine and makes the operation more efficient. Kick-down switch signal also controls the oil flow. This new technology is greater productivity at the lowest operating cost.

Maximum Dumping Clearance and Reach

The long lift arms provide high dumping clearances and maximum dumping reach. The operator can even level loads on the body of a dump truck easily and efficiently.

(4.2 m³ bucket with Bolt on Cutting Edge, 26.5-25 tires)

Long Wheelbase/Articulation Angle of 40°

The longest wheelbase in class and the widest tread provide improved machine stability in both longitudinal and lateral directions. Since the articulation angle is 40°, the operator can work efficiently even in the tightest job sites.
Increased Reliability

The front and rear frames have high rigidity to bear twisting and bending loads applied repeatedly to the loader body. Both upper and lower center pivot bearings are tapered roller bearings having high durability. The structure is similar to those of large-sized loaders and the reinforced loader linkage also ensures high rigidity.

Cation electrodeposition paint is applied as a primer paint and powder coating is applied as topcoat to the exterior metal sheet parts. This process results in a beautiful rust-free machine, even in the most severe environments. Some external parts are made of plastic providing long life and high impact resistance.
Flat Face-to-face O-ring Seals

Flat face-to-face O-ring seals are used to securely seal all hydraulic hose connections and to prevent oil leakage. In addition, buffer rings are installed to the head side of the all-hydraulic cylinders to lower the load on the rod seals and maximize the reliability.

Sealed Connectors

Main harnesses and controller connectors are equipped with sealed connectors providing high reliability, water resistance and dust resistance.

Halogen Head Lamps

Reliable halogen lamps are used for the head lamp. Since the bulbs of the head lamp and the working lamp are replaceable, the repair cost of these lamps is reduced.

Wet Multiple-disc Brakes and Fully Hydraulic Braking System

This mean lower maintenance costs and higher reliability. Wet disc brakes are fully sealed. Contaminants are kept out, reducing wear and resulting maintenance. Brakes require no adjustments for wear, meaning even lower maintenance. The parking brake is also an adjustment-free, wet multiple-disc for high reliability and long life.

If the brake oil pressure drops, the warning lamp flashes and the warning buzzer sounds intermittently. If the brake pressure drops lower, the parking brake is applied providing a double safety system.

Bucket Side Guard (Optional)

In addition to the conventional side guard of plate type (for loading products), the bolt-on side guard made of cast steel can be installed optionally. Since it is so designed that the material can flow smoothly on it, it does not increase the digging resistance.
Monitor is mounted in front of the operator allowing the operator to easily check gauges and warning lights. A specially designed two-spoke steering wheel allows the operator to easily see the instrument panel.

**Maintenance Control and Troubleshooting Functions**

- **Action code display function.** If the loader has any troubles, the monitor displays action details on the character display at the center bottom of the monitor.
- **Monitor function.** Controller monitors engine oil level, pressure, coolant temperature, air cleaner clogging etc. If controller finds abnormalities, all of these are displayed on LCD.
- **Replacement time notice function.** Monitor informs replacement time of oil and filters on LCD when it reaches replacement intervals.
- **Trouble data memory function.** Monitor stores abnormalities for effective troubleshooting.
Gull-wing Type Engine Side Doors Open Wide

The operator can open and close each gull-wing type engine side door easily with the assistance of a gas spring to perform daily service checks from the ground.

Easy-to-replace Air Conditioner Air-inlet Filter

The operator can replace the air conditioner air-inlet filter easily by opening the one-touch opening door on the right side of the cab.

Reversible Cooling Fan (Optional) and Swing-out Cooler Elements

If the machine is operating in adverse conditions, the operator can reverse the hydraulic cooling fan from inside the cab by turning on a switch on the control panel. The coolers can also swing out for easy cleaning.

Easy-to-inspect Washer Tank and Radiator Sub Tank

Washer tank
Since the washer tank is installed under the left floor step, the operator can check the liquid level easily from the ground.

Radiator sub tank
With the right engine side door open, the operator can check the liquid level easily through the inspection window of the bulkhead from the ground.

Lengthened Maintenance Interval

Lengthened engine oil replacement interval:
250 H → 500 H
Lengthened drive shaft greasing interval:
1000 H → 4000 H

Battery Disconnect Switch (Optional)

The battery disconnect switch is located in the right battery box. This can be used to disconnect power when performing service work on the machine.
EXCELLENT OPERATOR ENVIRONMENT

Pillar-less Large Cab
A wide pillar-less flat glass provides excellent front visibility. The wiper arm covers a large area to provide great visibility even on rainy days. The cab area is the largest in its class providing maximum space for the operator.

Low-noise Design
The large cab is mounted with Komatsu’s unique ROPS/FOPS (ISO 3471/ISO 3449) viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is improved to provide a quiet, low-vibration, dustproof with pressurizing, and comfortable operating environment.

Telescopic/Tilt Steering Column
The operator can tilt and telescope the steering column to provide a comfortable working position.

Electrically Controlled Transmission Lever
Easy shifting and directional changes with Komatsu two-lever electronic shifting. Change direction or shift gears with a touch of the fingers without removing the shifting hand from the steering wheel. Solid state electronics and conveniently located direction and gear shift controls make this possible. Automatic shifts in ranges two through four keep production high and manual shifting at a minimum.
Automatic Transmission with Electronically Controlled Modulation Valve

Automatic transmission with Electronically Controlled Modulation Valve automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The Electronically Controlled Modulation Valve system engages the clutch smoothly to prevent lags and shocks when shifting. This system provides efficient machine operation and a comfortable ride.

- **Kick-down switch**
  Consider this valuable feature for added productivity. With the touch of a finger, the kick-down switch automatically downshifts from second to first when beginning the digging cycle. It automatically upshifts from first to second when the direction control lever is placed in reverse. This results in increased rim pull for better bucket penetration and reduced cycle times for higher productivity.

- **Hold switch**
  Auto shift is selected and if the operator turns on this switch when the lever is at the 3rd or 4th gear speed position, the transmission is fixed to that gear speed.

### Gear Speed Switch Position

<table>
<thead>
<tr>
<th>Gear speed</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kick-down</td>
<td>Hold</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hold</td>
<td>Hold</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto change</td>
<td>Auto change</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kick-down</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Variable Transmission Cut-off**

The operator can adjust the transmission cut-off connected to the left brake pedal with the switch near the operator’s seat to set the brake/cut-off point for easier operation and higher operating performance in variable operating conditions.

- **High cut-off pressure for piling up operations.**
- **Low cut-off pressure for truck-loading operations.**

### Sunshade

The sunshade is added to the top of the rear glass.

### Door Sash with Assistant

The door sash with an assistant which can be opened and closed with one hand is employed.

### Air Conditioner

Since air is blown high in the cab, the cooling efficiency is increased further.

### Sun Visor

The Proportional Pressure Control (PPC) levers are used for the work equipment. The operator can easily operate the work equipment with fingertip control, reducing operator fatigue and increasing controllability. The operator can adjust the height of the wrist rest to obtain the best operating position.
SAFETY

ROPS/FOPS Cab
The ROPS/FOPS Cab is standard for operator’s safety. A wide pillar-less flat glass provides excellent front visibility, and a heated rear window provides excellent rear visibility in cold and freezing weather conditions.

ROPS (ISO 3471) : Roll-over Protective Structure
FOPS (ISO 3449) : Falling Objects Protective Structure

Laminated Glass
The front glass is changed from tempered glass to laminated glass to improve safety when it is broken.

Large Safety Lock Lever
To prevent the work equipment from dropping if work equipment control lever should be touched by accident when the operator gets on or off the machine, the size of the lock lever used to lock the work control levers has been increased. Furthermore, the safety lock lever is so designed for safety that the operator cannot get on and off the cab from the right side while the work equipment lever is unlocked.

Rear-hinged Full Open Cab Door
The cab door hinges are installed to the rear side of the cab providing a large opening angle for the operator to enter and exit. The steps are designed like a staircase, so that the operator can get on and off the cab easily.

Left or Right Side Cab Entry
The operator can get on and off the machine from either side of the vehicle. This design is convenient when getting on and off in a narrow jobsite or on uneven ground.

Safety Features
Secondary steering
If the steering pump is disabled, a secondary steering pump provides hydraulic flow.

Two independent lines brake system
Added reliability is designed into the braking system by the use of two independent hydraulic circuits, providing hydraulic backup should one of the circuits fail.
Assists Customer’s Equipment Management and Contributes to Fuel Cost Cutting

Equipment Management Support

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.
**SPECIFICATIONS**

### ENGINE
- Model: Komatsu SAA6D125E-3
- Type: Water-cooled, 4-cycle
- Aspiration: Turbocharged
- Number of cylinders: 6
- Bore x stroke: 125 mm x 150 mm
- Piston displacement: 11.04 L
- Performance:
- Rated rpm: 2000 min⁻¹
- ISO 9249/SAE J1349: Net 195 kW 261 HP
- SAE J1995: Gross 204 kW 273 HP

### TRANSMISSION
- Torque converter:
  - Type: 3-element, 1-stage, 1-phase
- Transmission:
  - Type: Full-powershift, countershaft type
- Travel speed: km/h
  - Measured with 23.5-25 tires:
    - 1st: 6.1
    - 2nd: 11.9
    - 3rd: 21.4
    - 4th: 34.7
  - Measured with 26.5-25 tires:
    - 1st: 6.3
    - 2nd: 12.1
    - 3rd: 21.7
    - 4th: 34.9

### AXLES AND FINAL DRIVES
- Drive system: Four-wheel drive
- Front: Fixed, semi-floating
- Rear: Center-pin support, semi-floating, 30° total oscillation
- Reduction gear: Spiral bevel gear
- Differential gear: Conventional type
- Final reduction gear: Planetary gear, single reduction

### BRAKES
- Service brakes: Hydraulically actuated, wet multiple-disc brakes actuate on four wheels
- Parking brake: Wet multiple-disc brake
- Secondary brake: Parking brake is commonly used

### STEERING SYSTEM
- Type: Articulated type, full-hydraulic power steering with orbit-roll system
- Steering angle: 40° each direction
- Minimum turning radius at the center of outside tire: 5900 mm

### HYDRAULIC SYSTEM
- Steer system:
  - Hydraulic pump: Gear pump
  - Capacity: 146 L/min at rated rpm
  - Relief valve setting: 210 kgf/cm² 3,000 psi
- Hydraulic cyliners:
  - Type: Double-acting, piston type
  - Number of cylinders: 2
  - Bore x stroke: 100 mm x 441 mm
- Loader control:
  - Hydraulic pump: Gear pump
  - Capacity: 303 + 120 L/min at rated rpm
  - Relief valve setting: 210 kgf/cm² 3,000 psi
- Hydraulic cyliners:
  - Type: Double-acting, piston type
  - Number of cylinders—bore x stroke: 2—180 mm x 764 mm
  - Lift cylinder: 1—200 mm x 575 mm
- Control valve:
  - Type: 2-spool type
- Control positions:
  - Boom: Raise, hold, lower, and float
  - Bucket: Tilt-back, hold, and dump
- Hydraulic cycle time (rated load in bucket):
  - Raise: 6.0 s
  - Dump: 1.4 s
  - Lower (Empty): 3.7 s

### SERVICE REFILL CAPACITIES
- Cooling system: 50 L
- Fuel tank: 390 L
- Engine: 38 L
- Hydraulic system: 186 L
- Axle (each front and rear): 52 L
- Torque converter and transmission: 60 L
DIMENSIONS

Measured with 26.5-25-20PR (L-3) tires

<table>
<thead>
<tr>
<th></th>
<th>Standard Boom</th>
<th>High Lift Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tread</td>
<td>2300 mm</td>
<td></td>
</tr>
<tr>
<td>Width over tires</td>
<td>3010 mm</td>
<td></td>
</tr>
<tr>
<td>A Wheelbase</td>
<td>3450 mm</td>
<td></td>
</tr>
<tr>
<td>B Hinge pin height, max. height</td>
<td>4360 mm</td>
<td>4870 mm</td>
</tr>
<tr>
<td>C Hinge pin height, carry position</td>
<td>585 mm</td>
<td>760 mm</td>
</tr>
<tr>
<td>D Ground clearance</td>
<td>525 mm</td>
<td></td>
</tr>
<tr>
<td>E Hitch height</td>
<td>1240 mm</td>
<td></td>
</tr>
<tr>
<td>F Overall height, top of the stack</td>
<td>3080 mm</td>
<td></td>
</tr>
<tr>
<td>G Overall height, ROPS cab</td>
<td>3460 mm</td>
<td></td>
</tr>
</tbody>
</table>
### Standard Boom

<table>
<thead>
<tr>
<th>Stockpile Bucket</th>
<th>Excavating Bucket</th>
<th>Loose Material Bucket</th>
<th>Light Material Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B.O.C. Teeth and Segments</strong></td>
<td><strong>Teeth</strong></td>
<td><strong>B.O.C. Teeth and Segments</strong></td>
<td><strong>Teeth</strong></td>
</tr>
<tr>
<td><strong>B.O.C.</strong></td>
<td><strong>3.6 m³</strong></td>
<td><strong>3.8 m³</strong></td>
<td><strong>3.6 m³</strong></td>
</tr>
<tr>
<td><strong>Bucket capacity: heaped</strong></td>
<td><strong>4.2 m³</strong></td>
<td><strong>3.8 m³</strong></td>
<td><strong>3.6 m³</strong></td>
</tr>
<tr>
<td><strong>struck</strong></td>
<td><strong>3.5 m³</strong></td>
<td><strong>3.3 m³</strong></td>
<td><strong>3.2 m³</strong></td>
</tr>
<tr>
<td><strong>Bucket width</strong></td>
<td><strong>3170 mm</strong></td>
<td><strong>3170 mm</strong></td>
<td><strong>3170 mm</strong></td>
</tr>
<tr>
<td><strong>Bucket weight</strong></td>
<td><strong>2005 kg</strong></td>
<td><strong>2005 kg</strong></td>
<td><strong>2005 kg</strong></td>
</tr>
<tr>
<td><strong>Dumping clearance, max. height and 45˚ dump angle</strong></td>
<td><strong>3185 mm</strong></td>
<td><strong>3110 mm</strong></td>
<td><strong>2975 mm</strong></td>
</tr>
<tr>
<td><strong>Reach at max. height and 45˚ dump angle</strong></td>
<td><strong>1235 mm</strong></td>
<td><strong>1185 mm</strong></td>
<td><strong>1185 mm</strong></td>
</tr>
<tr>
<td><strong>Reach at 2130 mm clearance and 45˚ dump angle</strong></td>
<td><strong>1910 mm</strong></td>
<td><strong>1880 mm</strong></td>
<td><strong>1880 mm</strong></td>
</tr>
<tr>
<td><strong>Reach with arm horizontal and bucket level</strong></td>
<td><strong>2750 mm</strong></td>
<td><strong>2680 mm</strong></td>
<td><strong>2680 mm</strong></td>
</tr>
<tr>
<td><strong>Operating height (fully raised)</strong></td>
<td><strong>5960 mm</strong></td>
<td><strong>5875 mm</strong></td>
<td><strong>5875 mm</strong></td>
</tr>
<tr>
<td><strong>Overall length</strong></td>
<td><strong>8765 mm</strong></td>
<td><strong>8695 mm</strong></td>
<td><strong>8695 mm</strong></td>
</tr>
<tr>
<td><strong>Loader clearance circle (bucket at carry, outside corner of bucket)</strong></td>
<td><strong>13960 mm</strong></td>
<td><strong>13960 mm</strong></td>
<td><strong>13960 mm</strong></td>
</tr>
<tr>
<td><strong>Digging depth: 0˚</strong></td>
<td><strong>80 mm</strong></td>
<td><strong>80 mm</strong></td>
<td><strong>80 mm</strong></td>
</tr>
<tr>
<td><strong>10˚</strong></td>
<td><strong>315 mm</strong></td>
<td><strong>315 mm</strong></td>
<td><strong>315 mm</strong></td>
</tr>
<tr>
<td><strong>Static tipping load: straight</strong></td>
<td><strong>17215 kg</strong></td>
<td><strong>17055 kg</strong></td>
<td><strong>17055 kg</strong></td>
</tr>
<tr>
<td><strong>40˚ full turn</strong></td>
<td><strong>14975 kg</strong></td>
<td><strong>14720 kg</strong></td>
<td><strong>14720 kg</strong></td>
</tr>
<tr>
<td><strong>Breakout force</strong></td>
<td><strong>192 kN</strong></td>
<td><strong>190 kN</strong></td>
<td><strong>190 kN</strong></td>
</tr>
<tr>
<td><strong>Operating weight</strong></td>
<td><strong>22165 kg</strong></td>
<td><strong>21825 kg</strong></td>
<td><strong>21825 kg</strong></td>
</tr>
</tbody>
</table>

### High Lift Boom

<table>
<thead>
<tr>
<th>Stockpile Bucket</th>
<th>Excavating Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B.O.C.</strong></td>
<td><strong>3.6 m³</strong></td>
</tr>
<tr>
<td><strong>Bucket capacity: heaped</strong></td>
<td><strong>3.6 m³</strong></td>
</tr>
<tr>
<td><strong>struck</strong></td>
<td><strong>3.1 m³</strong></td>
</tr>
<tr>
<td><strong>Bucket width</strong></td>
<td><strong>3170 mm</strong></td>
</tr>
<tr>
<td><strong>Bucket weight</strong></td>
<td><strong>1915 kg</strong></td>
</tr>
<tr>
<td><strong>Dumping clearance, max. height and 45˚ dump angle</strong></td>
<td><strong>3755 mm</strong></td>
</tr>
<tr>
<td><strong>Reach at max. height and 45˚ dump angle</strong></td>
<td><strong>1355 mm</strong></td>
</tr>
<tr>
<td><strong>Reach at 2130 mm clearance and 45˚ dump angle</strong></td>
<td><strong>2440 mm</strong></td>
</tr>
<tr>
<td><strong>Reach with arm horizontal and bucket level</strong></td>
<td><strong>3185 mm</strong></td>
</tr>
<tr>
<td><strong>Operating height (fully raised)</strong></td>
<td><strong>6280 mm</strong></td>
</tr>
<tr>
<td><strong>Overall length</strong></td>
<td><strong>9305 mm</strong></td>
</tr>
<tr>
<td><strong>Loader clearance circle (bucket at carry, outside corner of bucket)</strong></td>
<td><strong>14465 mm</strong></td>
</tr>
<tr>
<td><strong>Digging depth: 0˚</strong></td>
<td><strong>80 mm</strong></td>
</tr>
<tr>
<td><strong>10˚</strong></td>
<td><strong>260 mm</strong></td>
</tr>
<tr>
<td><strong>Static tipping load: straight</strong></td>
<td><strong>14580 kg</strong></td>
</tr>
<tr>
<td><strong>40˚ full turn</strong></td>
<td><strong>12500 kg</strong></td>
</tr>
<tr>
<td><strong>Breakout force</strong></td>
<td><strong>209 kN</strong></td>
</tr>
<tr>
<td><strong>Operating weight</strong></td>
<td><strong>23545 kg</strong></td>
</tr>
</tbody>
</table>

*At the end of tooth or bolt on cutting edge (B.O.C.).

All dimensions, weights, and performance values based on ISO 7131 and 7546 standards.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, Air conditioner and operator. Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

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**DIMENSIONS**

**BUCKET SELECTION GUIDE**

- Light Material Bucket with B.O.C. (Scooping and loading of light material)
- Loose Material Bucket with B.O.C. (Loading and excavating of soil, sand and variety of other common handled material)
- Stockpile Bucket with B.O.C. (Loading and excavating of crushed stone and dry sand)
- Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)
- Excavating Bucket with Teeth (Spade Nose) (Loading and excavating of blasted rock)

---

Measured with 26.5-25-20PR (L-3) tires
## Buckets

<table>
<thead>
<tr>
<th>Type</th>
<th>Feature</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockpile Bucket</td>
<td>This bucket is used for loading stockpile products, such as crushed rock and construction materials.</td>
<td><img src="stockpile_bucket.png" alt="Image" /></td>
</tr>
<tr>
<td>Excavating Bucket</td>
<td>This bucket is used for excavating and loading blasted rock on rock crushing job sites, or for excavating natural ground. It has a flat-blade, straight cutting edge, and provides superior rigidity and wear resistance.</td>
<td><img src="excavating_bucket.png" alt="Image" /></td>
</tr>
<tr>
<td>Rock Bucket (Spade nose)</td>
<td>This bucket is used for excavating and loading blasted rock on rock crushing job sites. It has a pointed cutting edge, and provides superior rigidity and wear resistance.</td>
<td><img src="rock_bucket.png" alt="Image" /></td>
</tr>
<tr>
<td>Loose/Light Material Bucket</td>
<td>This bucket is used for loading materials with comparatively light specific gravity. It is based on the general purpose bucket, with a lengthened cutting edge and width to give increased capacity.</td>
<td><img src="loose_light_bucket.png" alt="Image" /></td>
</tr>
</tbody>
</table>

## Grapples & Forks

<table>
<thead>
<tr>
<th>Type</th>
<th>Feature</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Grapple</td>
<td>This is a special log attachment for use with logs ranging from small-diameter short logs to large-diameter long logs. Its shape enables it to grip the log well with little rolling shock, and it is designed so that the center of gravity of the log is close to the machine body. This enables the machine to maintain its stability when loading and hauling.</td>
<td><img src="log_grapple.png" alt="Image" /></td>
</tr>
<tr>
<td>Log-lumber Grapple</td>
<td>The log-lumber grapple is an all-round tool for log and lumber handling capable of dealing with lumber, long logs of large diameter or short logs of small diameter as well as lumber. However, forks of log-lumber grapple are fixed for strength so it is not suitable for use in forklift operations.</td>
<td><img src="log_lumber_grapple.png" alt="Image" /></td>
</tr>
<tr>
<td>Log-lumber Fork</td>
<td>Log-lumber fork has the same features as log-lumber grapple. This attachment has no top clamps.</td>
<td><img src="log_lumber_fork.png" alt="Image" /></td>
</tr>
</tbody>
</table>
WEIGHT / DIMENSIONS

<table>
<thead>
<tr>
<th>Tires or attachments</th>
<th>Operating weight kg</th>
<th>Tipping load straight kg</th>
<th>Tipping load full turn kg</th>
<th>Width over tires mm</th>
<th>Ground clearance mm</th>
<th>Change in vertical dimensions mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.5-25-20PR(L-3)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3010</td>
<td>525</td>
<td>0</td>
</tr>
<tr>
<td>26.5-25-16PR(L-3)</td>
<td>–70</td>
<td>–50</td>
<td>–45</td>
<td>3010</td>
<td>525</td>
<td>0</td>
</tr>
<tr>
<td>26.5-25-20PR(L-4)</td>
<td>355</td>
<td>270</td>
<td>235</td>
<td>3010</td>
<td>525</td>
<td>0</td>
</tr>
<tr>
<td>26.5-R25(L-3)</td>
<td>115</td>
<td>90</td>
<td>75</td>
<td>3010</td>
<td>525</td>
<td>0</td>
</tr>
<tr>
<td>23.5-25-20PR(L-3)</td>
<td>–460</td>
<td>–350</td>
<td>–300</td>
<td>2920</td>
<td>460</td>
<td>–65</td>
</tr>
<tr>
<td>23.5-25-20PR(L-2)</td>
<td>–775</td>
<td>–585</td>
<td>–505</td>
<td>2920</td>
<td>460</td>
<td>–65</td>
</tr>
<tr>
<td>Remove ROPS cab with air conditioner</td>
<td>–730</td>
<td>–670</td>
<td>–585</td>
<td>2920</td>
<td>460</td>
<td>–65</td>
</tr>
<tr>
<td>Install additional counterweight *</td>
<td>400</td>
<td>1030</td>
<td>860</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Available for the standard boom only.

STANDARD EQUIPMENT

ENGINE/POWER TRAIN:
- Additional fuel filter with water separator
- Engine, Komatsu SAA6D125E-3 diesel
- Service brakes, wet disc type
- Swing-out aftercooler and oil cooler
- Transmission, 4 forward and 4 reverse

ELECTRICAL SYSTEM:
- Alternator, 50 A
- Back-up alarm
- Back-up lamp
- Batteries, 2 x 12 V/136 Ah
- Directional signal
- Engine shut-off system, electric
- Starting motor, 24 V/7.5 kW

HYDRAULIC SYSTEM:
- 2-spool valve for boom and bucket controls
- Lift cylinders and bucket cylinder

CAB:
- Air conditioner
- Auto shift transmission with mode select system
- Equipment Management Monitoring System
- Floor mat
- Main monitor panel with speedometer
- Proportional Pressure Control (PPC) finger top control, two levers
- Rearview mirror
- Rear window washer and wiper
- ROPS/FOPS (ISO 3471/ISO 3449) cab
- Seat, suspension type with reclining
- Seat belt
- Steering wheel, tiltable, telescopic
- Sun visor

WORK EQUIPMENT:
- Boom kick-out
- Bucket positioner
- Counterweight
- Loader linkage with standard lift boom

OTHER EQUIPMENT:
- Front fender
- Radiator mask, lattice type
- Tires (26.5-25-20PR, L-3 tubeless) and rims
- Vandalism protection kit

OPTIONAL EQUIPMENT

ENGINE/POWER TRAIN:
- Brake cooling system
- Engine pre-cleaner with extension
- Limited slip differential (F&R)

ELECTRICAL SYSTEM:
- Batteries, 2 x 12 V/140 Ah
- Battery disconnect switch
- Starting motor, 11 kW

HYDRAULIC SYSTEM:
- 3-spool valve
- Hydraulic-driven fan with reverse rotation

CAB:
- AM/FM radio
- Heater and defroster
- Secondary steering (ISO 5010)

WORK EQUIPMENT:
- Additional counterweight
- Bucket side guard
- Bucket teeth (bolt on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt on type)
- Log grapple
- Segmented edges

OTHER EQUIPMENT:
- KOMTRAX
- Ordinary spare parts
- Power train guard
- Tool kit
To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

**Fleet recommendation**
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

**Technical support**
Komatsu product support service (Technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.

- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program

**Repair & maintenance service**
Komatsu Distributor offers quality repair service, periodical maintenance, and maintenance service to the customer, utilizing and promoting Komatsu developed programs.

**Komatsu Reman (Remanufactured) components**
Komatsu Reman products are the result of the implementation of the Komatsu global Reman policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu’s customer through prompt delivery, high quality and competitively priced in own remanufactured products (QDC).

**Product support**
Komatsu Distributor secure the certain quality of machine will be delivered.

**Parts availability**
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.