**WEIGHT CHANGES**

<table>
<thead>
<tr>
<th>Tires or attachments</th>
<th>Operating weight</th>
<th>Tipping load straight</th>
<th>Tipping load full turn</th>
<th>Width over tires</th>
<th>Ground clearance</th>
<th>Change in vertical dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>mm ft in</td>
<td>mm ft in</td>
</tr>
<tr>
<td>20.5-25-16PR(L-3)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2955 8 ft 10 in</td>
<td>390 13 ft 0 in</td>
</tr>
<tr>
<td>23.5-25-16PR(L-3)</td>
<td>+170</td>
<td>+374</td>
<td>+770</td>
<td>+770</td>
<td>+680</td>
<td>+1,900</td>
</tr>
<tr>
<td>Install additional counterweight</td>
<td>+340</td>
<td>+750</td>
<td>+900</td>
<td>+900</td>
<td>+750</td>
<td>+1,865</td>
</tr>
</tbody>
</table>

**STANDARD EQUIPMENT**

- 2-spool valve for boom and bucket controls
- Alternator, 60 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 136 Ah x 12 V
- Boom kick-out
- Bucket positioner
- Counterweight
- Directional signal
- Engine, Komatsu SAA6D107E-1 diesel
- Engine shut-off system, electric
- Fuel filter with water separator
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Loader linkage with standard lift boom
- Main monitor panel with EMMS (Equipment Management Monitoring System)
- PPC fingertip control, two levers
- Radiator mask, lattice type
- Rear defroster (electric)
- Rear view mirror
- Rear window wiper and wiper
- ROPS/FOPS cab
- Seat, suspension type with rocker
- Seat belt
- Service brakes, wet disc type
- Starting motor, 5.5 kW/24 V
- Steering wheel, tiltable, telescopic
- Sun visor
- Tires (20.5-25-16PR, L3 tubeless) and rims
- Transmission, 4 forward and 4 reverse

**OPTIONAL EQUIPMENT**

- 3-spool valve
- Additional counterweight
- Air conditioner
- AM/FM radio
- AM/FM stereo radio cassette
- Auto air conditioner
- Batteries, 140 Ah x 12V
- Bucket teeth (bolt-on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt-on type)
- Deluxe suspension seat
- ECSS (Electronically Controlled Suspension System)
- Emergency steering (SAE)
- Engine pre-cleaner with extension
- Floor mat
- High lift boom
- Joystick steering
- Limited slip differential (F&R)
- Lock-up clutch torque converter
- Log grapple
- Ordinary spare parts
- Power train guard
- Rbar fender
- Tool kit
- Vandalism protection kit

**HORSEPOWER**

- Gross: 143 kW (192 HP @ 2100 rpm)
- Net: 142 kW (191 HP @ 2100 rpm)

**BUCKET CAPACITY**

- 2.7–4.0 m³ (3.5–5.2 yd³)
Increased Reliability
- Reliable Komatsu designed and manufactured components
- Sturdy main frame
- Maintenance-free, fully hydraulic, wet disc service and parking brakes
- Hydraulic hoses use flat face O-ring seals

See page 6.

Cathion electrodeposition process is used to apply primer paint
Powder coating process is used to apply on main structure
Sealed DT connectors for electrical connections

Easy Maintenance
- “EMMS” (Equipment Management Monitoring System)

See page 7.

Easy access, gull-wing type engine side doors
Automatic Reversible Fan (option)

Harmony with Environment
- EPA Tier 3 and EU Stage 3A emissions certified
- Low exterior noise
- Low fuel consumption

See pages 8 and 9.

High Productivity & Low Fuel Consumption
- High performance SAA6D107E-1 engine
- Low fuel consumption
- Dual-mode engine power select system
- Automatic transmission with shift timing select system
- Variable displacement piston pump & CLSS

See pages 4 and 5.

Excellent Operator Environment
- Automatic transmission with ECMV
- Electrically controlled transmission lever
- Variable transmission cut-off system
- Telescopic/tilt steering column
- Fingertip control levers
- Low-noise designed cab
- Pillar-less large ROPS/FOPS cab-integrated
- Easy entry/exit, rear-hinged doors

See page 6.

Photo may include optional equipment.

HORSEPOWER
Gross: 143 kW 192 HP @ 2100 rpm
Net: 142 kW 191 HP @ 2100 rpm

BUCKET CAPACITY
2.7–4.0 m³ 3.5–5.2 yd³
Increased Reliability
- Reliable Komatsu designed and manufactured components
- Sturdy main frame
- Maintenance-free, fully hydraulic, wet disc service and parking brakes
- Hydraulic hoses use flat face O-ring seals

Cathion electrodeposition process is used to apply primer paint
Powder coating process is used to apply on main structure
Sealed DT connectors for electrical connections

See page 6.

High Productivity & Low Fuel Consumption
- High performance SAA6D107E-1 engine
- Low fuel consumption
- Dual-mode engine power select system
- Automatic transmission with shift timing select system
- Variable displacement piston pump & CLSS

See pages 4 and 5.

Excellent Operator Environment
- Automatic transmission with ECMV
- Electrically controlled transmission lever
- Variable transmission cut-off system
- Telescopic/tilt steering column
- Fingertip control levers
- Low-noise designed cab
- Pillar-less large ROPS/FOPS cab-integrated
- Easy entry/exit, rear-hinged doors

See page 8 and 9.

Harmony with Environment
- EPA Tier 3 and EU Stage 3A emissions certified
- Low exterior noise
- Low fuel consumption

Easy Maintenance
- “EMMS” (Equipment Management Monitoring System)

See page 7.

Easy access, gull-wing type engine side doors
Automatic Reversible Fan (option)
High Productivity and Low Fuel Consumption

**High Performance SAA6D107E-1 Engine**
Electronic Heavy Duty Common Rail fuel injection system provides optimum combustion of fuel. This system also provides fast throttle response to match the machine’s powerful tractive effort and fast hydraulic response.

Net: 142 kW 191 HP

**Low Emission Engine**
This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

**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.

**Dual-mode Engine Power Select System**
This wheel loader offers two selectable operating modes—E and P. The operator can adjust the machine’s performance with the selection switch.

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

**Variable Displacement Piston Pump & CLSS**
New design variable displacement piston pump combined with the Closed-center Load Sensing System delivers hydraulic flow just as the job requires preventing wasting hydraulic pressure. Minimized waste loss contributes to better fuel economy.

- **New Variable Displacement Piston Pump:** The pump delivers only necessary amounts minimizing waste loss.

**Automatic Transmission With Mode Select System**
This operator controlled system allows the operator to select manual shifting or two levels of automatic shifting (low, and high).

Auto L mode is for fuel saving operation with the gear shift timing set at lower speeds than Auto H mode. Therefore Auto L mode keeps the engine run in a relatively low rpms range for fuel conservation while yielding adequate tractive force by depressing the accelerator pedal.

**Shift mode selection switch**

**Eco indicator**
The eco indicator will help an operator to promote energy saving.

**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.

Dumping Clearance: 2885 mm 9’6”
Dumping Reach: 1210 mm 4’0”
(3.3 m³ 4.3 yd³ bucket with B.O.C.)
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.

Dumping Clearance: 2885 mm 9’6”
Dumping Reach: 1210 mm 4’0”
(3.3 m³ 4.3 yd³ bucket with B.O.C.)
Komatsu Components
Komatsu manufactures the engine, torque converter, transmission, hydraulic units, electric parts, and even each bolt on this wheel loader. Komatsu loaders are manufactured with an integrated production system under a strict quality control system.

Wet Multi-disc Brakes and Fully Hydraulic Braking System
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 new parking brake is also an adjustment-free, wet multi-disc for high reliability and long life. Added reliability is designed into the braking system by the use of two independent hydraulic circuits. Provides hydraulic backup should one of the circuits fail. Fully hydraulic brakes mean no air system to bleed, or the condensation of water in the system that can lead to contamination, corrosion, and freezing.

High-rigidity Frames and Loader Linkage
The front and rear frames and the loader linkage have got more torsional rigidity to secure resistance against stresses increased due to the use of a larger bucket. Frame and loader linkage are designed to accommodate actual working loads, and simulated computer testing proves its strength.

Flat Face-to-face O-ring Seals
Flat face-to-face O-ring seals are used to securely seal 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.

Cathion Electrodeposition Primer Paint/ Powder Coating Final Paint
Cathion 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.

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

EMMS
(Equipment Management Monitoring System)
Monitor is mounted in front of the operator for easy view, allowing the operator to easily check gauges and warning lights.

● 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.

Ease of Radiator Cleaning
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.

Automatic Reversible Fan (optional)
The engine fan is driven hydraulically. It can be operated in reverse automatically. When switch is automatic position. The fan revolves in reverse for 2 minutes every 2 hours intermittently. (Default setting)
Komatsu Components
Komatsu manufactures the engine, torque converter, transmission, hydraulic units, electric parts, and even each bolt on this wheel loader. Komatsu loaders are manufactured with an integrated production system under a strict quality control system.

Wet Multi-disc Brakes and Fully Hydraulic Braking System 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 new parking brake is also an adjustment-free, wet multi-disc for high reliability and long life. Added reliability is designed into the braking system by the use of two independent hydraulic circuits. Provides hydraulic backup should one of the circuits fail. Fully hydraulic brakes mean no air system to bleed, or the condensation of water in the system that can lead to contamination, corrosion, and freezing.

High-rigidity Frames and Loader Linkage
The front and rear frames and the loader linkage have got more torsional rigidity to secure resistance against stresses increased due to the use of a larger bucket. Frame and loader linkage are designed to accommodate actual working loads, and simulated computer testing proves its strength.

Flat face-to-face O-ring Seals
Flat face-to-face O-ring seals are used to securely seal 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.

Cathion Electrodeposition Primer Paint/ Powder Coating Final Paint
Cathion 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.

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

EMMS (Equipment Management Monitoring System)
Monitor is mounted in front of the operator for easy view, 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.

Ease of Radiator Cleaning
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.

Automatic Reversible Fan (optional)
The engine fan is driven hydraulically. It can be operated in reverse automatically. When switch is automatic position. The fan revolves in reverse for 2 minutes every 2 hours intermittently. (Default setting)
Fingertip Work Equipment Control Levers with Large Size Arm Rest

New PPC control 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 PPC control lever column can be slid forward or rearward and the large size arm rest can be adjusted up or down to provide the operator with a variety of comfortable operating positions.

Variable Transmission Cut-off System

The operator can continuously adjust the transmission cut-off pressure desired for the left brake pedal using switch located on the right-side control panel. The operator can improve the working performance by setting the cut-off pressure properly depending on working condition.

- High cut-off pressure for digging operations.
- Low cut-off pressure for truck-loading operations.

Telescopic/Tilt Steering Column

The operator can tilt and telescope the steering column to provide a comfortable working position.

Easy Operation

Automatic Transmission with ECMV

Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (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.

- One push power-up function: The kick-down switch also functions as a power-up switch in first gear. The first time the kick-down switch is depressed it functions as a kick-down and gear speed is reduced. When the machine is in E operation mode and first gear, pressing the kick-down switch a second time changes the operation mode to P allowing increased power for heavy digging operation. The operation mode returns to E when machine gear speed changes or direction changes to reverse.

- 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.

Electronically 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.

Fingertip Work Equipment Control Levers

The control 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 PPC control lever column can be slid forward or rearward and the large size arm rest can be adjusted up or down to provide the operator with a variety of comfortable operating positions.

Low-noise Design

Noise at operator’s ear noise level : 72 dB(A)
Dynamic noise level (outside): 108 dB(A)

The large cab is mounted with Komatsu’s unique ROPS/FOPS 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. Also, exterior noise is lowest in this class.

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. Increased seat reclining and slide adjustment to backward by introducing front mounted air conditioner unit.

Rear-hinged Full Open Cab Doors

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.

Telescopic/Tilt Steering Column

The operator can tilt and telescope the steering column to provide a comfortable working position.
Easy Operation

Automatic Transmission with ECMV
Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (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.

- **One push power-up function:** The kick-down switch also functions as a power-up switch in first gear. The first time the kick-down switch is depressed it functions as a kick-down switch and gear speed is reduced. When the machine is in E operation mode and first gear, pressing the kick-down switch a second time changes the operation mode to P allowing increased power for heavy digging operation. The operation mode returns to E when machine gear speed changes or direction changes to reverse.

- **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.

Electronically 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.

Variable Transmission Cut-off System
The operator can continuously adjust the transmission cut-off pressure desired for the left brake pedal using switch located on the right-side control panel. The operator can improve the working performance by setting the cut-off pressure properly depending on working condition.

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

Fingertip Work Equipment Control Levers with Large Size Arm Rest
New PPC control 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 PPC control lever column can be slid forward or rearward and the large size arm rest can be adjusted up or down to provide the operator with a variety of comfortable operating positions.

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

Comfortable Operation

Low-noise Design
Noise at operator’s ear noise level : 72 dB(A)
Dynamic noise level (outside) : 108 dB(A)
The large cab is mounted with Komatsu’s unique ROPS/FOPS 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. Also, exterior noise is lowest in this class.

Pillar-less Large Cab
A wide pillar-less flat glass provides excellent front visibility. The wiper arm covers the 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. Increased seat reclining and slide adjustment to backward by introducing front mounted air conditioner unit.

Rear-hinged Full Open Cab Doors
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.

Electronic Control Transmission Lever
Specifications

<table>
<thead>
<tr>
<th>ENGINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
</tr>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Number of cylinders</td>
</tr>
<tr>
<td>Piston displacement</td>
</tr>
<tr>
<td>Governor</td>
</tr>
<tr>
<td>Horsepower</td>
</tr>
<tr>
<td>SAE J1995 Gross</td>
</tr>
<tr>
<td>ISO/SAE J1349</td>
</tr>
<tr>
<td>Rated rpm</td>
</tr>
<tr>
<td>Fan drive motor for hydrostatic</td>
</tr>
<tr>
<td>Fuel system</td>
</tr>
<tr>
<td>Lubrication system</td>
</tr>
<tr>
<td>Method</td>
</tr>
<tr>
<td>Filter</td>
</tr>
</tbody>
</table>

**HYDRAULIC SYSTEM**

<table>
<thead>
<tr>
<th>Steering system:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Number of cylinders—bore x stroke</td>
</tr>
<tr>
<td>Relief valve setting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic cylinders:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Number of cylinders—bore x stroke</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Load control:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Number of cylinders—bore x stroke</td>
</tr>
</tbody>
</table>

**BUCKET SELECTION GUIDE**

<table>
<thead>
<tr>
<th>Light Material Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUCKET CAPACITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HYDRAULIC CYCLE TIME (RATED LOAD IN BUCKET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Number of cylinders</td>
</tr>
<tr>
<td>Number of cylinders—bore x stroke</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUCKET CAPACITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HYDRAULIC CYCLE TIME (RATED LOAD IN BUCKET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Number of cylinders</td>
</tr>
<tr>
<td>Number of cylinders—bore x stroke</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

**SERVICE REQUERY CAPACITIES**

<table>
<thead>
<tr>
<th>Cooling system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Minimum turning radius at the center of outside tire</td>
</tr>
</tbody>
</table>
Material density: \( \text{kg/m}^3 \) \( \text{lb/yd}^3 \)

- 1000
- 1200
- 1400
- 1600
- 1800
- 2000
- 2200

Parking brake . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
Wet disc brake
Emergency brake . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

Parking brake is commonly used (Loading and excavating of blasted rock)

Wet disc brakes actuate on four wheels

Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)

- 36,620 lb
- 36,460 lb
- 36,860 lb
- 36,950 lb
- 36,710 lb
- 37,150 lb

Operating weight

Table: Operating weight

<table>
<thead>
<tr>
<th>Model</th>
<th>Specimen</th>
<th>G</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA380-6</td>
<td>Wheel loader</td>
<td>2385 mm</td>
<td>8’11”</td>
<td>1020 mm</td>
<td>33.25”</td>
<td>395 mm</td>
<td>15.57”</td>
</tr>
<tr>
<td>WA380-6</td>
<td>Wheel loader</td>
<td>2160 mm</td>
<td>7’1”</td>
<td>970 mm</td>
<td>38”</td>
<td>395 mm</td>
<td>15.57”</td>
</tr>
</tbody>
</table>

* All the end of both or B.O.C.

All dimensions, weights, and performance values based on SAE J732c and J740c standards.

Static tipping load and operating weight show include lubricant, coolant, full fuel tank, ROPS cab, 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.
### HORSEPOWER
- **Gross:** 143 kW @ 2100 rpm
- **Net:** 142 kW @ 2100 rpm

### BUCKET CAPACITY
- 2.7–4.0 m³ (3.5-5.2 yd³)

### WEIGHT CHANGES

<table>
<thead>
<tr>
<th>Tires or attachments</th>
<th>Operating weight</th>
<th>Tipping load straight</th>
<th>Tipping load full turn</th>
<th>Width over tires</th>
<th>Ground clearance</th>
<th>Change in vertical dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kg</td>
<td>lb</td>
<td>kg</td>
<td>lb</td>
<td>mm</td>
<td>ft in</td>
</tr>
<tr>
<td>20.5-25-16PR(L-3)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2955</td>
<td>9'10'</td>
</tr>
<tr>
<td>23.5-25-16PR(L-3)</td>
<td>+970</td>
<td>+2,140</td>
<td>+770</td>
<td>+1,700</td>
<td>+680</td>
<td>+1,300</td>
</tr>
<tr>
<td>Install additional</td>
<td>+340</td>
<td>+750</td>
<td>+900</td>
<td>+1,985</td>
<td>+750</td>
<td>+1,685</td>
</tr>
</tbody>
</table>

### STANDARD EQUIPMENT
- 2-spool valve for boom and bucket controls
- Alternator, 60 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 136 Ah x 12 V
- Boom kick-out
- Bucket positioner
- Counterweight
- Directional signal
- Engine, Komatsu SAA6D107E-1 diesel
- Engine shut-off system, electric
- Fuel filter with water separator
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Loader linkage with standard lift boom
- Main monitor panel with EMMS (Equipment Management Monitoring System)
- PPC fingertip control, 2 levers
- Radiator mats, lattice type
- Rear defroster (electric)
- Rear view mirror
- Rear window washer and wiper
- RDPS/FOPS cab
- Seat, suspension type with reclining
- Seat belt
- Service brakes, wet disc type
- Starting motor, 5.5 kW/24 V
- Steering wheel, tillable, telescopic
- Sun visor
- Tires (20.5-25-16PR, L3 tubeless) and rims
- Transmission, 4 forward and 4 reverse

### OPTIONAL EQUIPMENT
- 3-spool valve
- Air conditioner
- AM/FM radio
- AM/FM stereo radio cassette
- Auto air conditioner
- Batteries, 140 Ah x 12V
- Bucket teeth (bolt-on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt-on type)
- Deluxe suspension seat
- ECSS (Electronically Controlled Suspension System)
- Emergency steering (SAE)
- Engine pre-cleaner with extension
- Floor mat
- High lift boom
- Joystick steering
- Limited slip differential (F&R)
- Lock-up clutch torque converter
- Log grapple
- Ordinary spare parts
- Power train guard
- Rear fender
- Tool kit
- Vandalism protection kit

### MATERIALS AND SPECIFICATIONS
Materials and specifications are subject to change without notice.

CEN00076-05

www.Komatsu.com

Printed in Japan 201302 IPSIN

Komatsu is a trademark of Komatsu Ltd. Japan