WA470-6R

HORSEPOWER
Gross: 204 kW 273 HP @ 2000 rpm
Net: 203 kW 272 HP @ 2000 rpm

BUCKET CAPACITY
3.6–5.2 m³ 4.7–6.8 yd³

Photo may include optional equipment.
High Productivity & Low Fuel Consumption
- High performance Komatsu SAA6D125E-5 engine
- Low fuel consumption
- Dual-mode engine power select system
- Large-capacity torque converter
- Automatic transmission with shift timing select system
- Lock-up torque converter (Optional)
- Variable displacement piston pump & Closed-center load sensing system (CLSS)

Excellent Operator Environment
- Automatic transmission with Electronic Controlled Modulation Valve
- Electronic controlled transmission lever
- Variable transmission cut-off system
- Telescopic / Tilt steering column
- Fingertip control levers
- Low-noise designed cab
- Pillar-less large ROPS/FOPS (ISO 3471/ISO 3449) integrated cab
- Easy entry/exit, rear-hinged door

Harmony with Environment
- Low exterior noise
- Low fuel consumption

See pages 4 and 5.
**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

Cation electrodeposition process is used to apply primer paint
- Powder coating process is used to apply main structure paint
- Sealed connectors for electrical connections

See page 6.

**Easy Maintenance**

- Equipment Management Monitoring System
- Easy access, gull-wing type engine side doors
- Automatic Reversible Fan (Optional)

See page 7.

**HORSEPOWER**

Gross: 204 kW 273 HP @ 2000 rpm
Net: 203 kW 272 HP @ 2000 rpm

**BUCKET CAPACITY**

3.6–5.2 m³ 4.7–6.8 yd³
High Performance Komatsu SAA6D125E-5 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.

High Productivity and Low Fuel Consumption

Net: 203 kW 272 HP

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

Large-capacity Torque Converter
The Komatsu designed drive train has a large-capacity torque converter for optimal efficiency. The WA470-6R has plenty of acceleration without the need for full throttle and it can achieve high travel speeds, even on grades or steep ramps leading to feed hoppers. This significantly assists productivity and also delivers great value for load-and-carry operations.

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 in a relatively low rpm range for fuel conservation while yielding adequate tractive force by depressing the accelerator pedal.

Lock-up Torque Converter (Optional)
The Komatsu designed lock-up torque converter provides increased production efficiency, reduced cycle times and optimum fuel savings in load-and-carry or hill-climb operations. The operator can engage the system from 2nd to 4th gear. This optional feature allows the operator to activate the system on/off with a switch located on the right-side control panel.

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

- **New variable displacement piston pump:** The pump delivers only necessary amounts minimizing waste loss.

- **Fixed displacement piston pump:** The pump delivers the maximum amount at any time and the unused flow is disposed.
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: 3185 mm 10'5"
Dumping reach: 1235 mm 4'1"
(4.2 m³ 5.5 yd³ bucket with bolt on cutting edge.)
Komatsu Components
Komatsu manufactures the engine, torque converter, transmission, hydraulic units, electric parts, on this wheel loader. Komatsu loaders are manufactured with an integrated production system under a strict quality control system.

Wet Multiple-disc Brakes and Fully Hydraulic Braking System
This means lower maintenance costs and higher reliability. Wet multiple-disc brakes are fully sealed. Contaminants are kept out, reducing wear and 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. 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.

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.

Cation Electrodeposition Primer Paint/ Powder Coating Final Paint
Cation electrodeposition paint is applied as a primer paint and powder coating is applied as topcoat to the exterior sheet metal 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 Connectors
Main harnesses and controller connectors are equipped with sealed connectors providing high reliability, water resistance and dust resistance.

High-rigidity Frames and Loader Linkage
The front and rear frames and the loader linkage have more torsional rigidity to secure resistance against increased stress 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.

INCREASED RELIABILITY
EASY MAINTENANCE

Equipment Management Monitoring System
Monitor is mounted in front of the operator for easy viewing, 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 abnormality occurs, the monitor displays action details on the character display at the bottom center of the monitor.

- **Monitor function:** Controller monitors engine oil level, pressure, coolant temperature, air cleaner clogging, etc. If controller finds abnormalities, the error is displayed on Liquid Crystal Display (LCD).

- **Replacement time notice function:** Monitor informs replacement time of oil and filters on LCD when replacement intervals are reached.

- **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.

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)
Easy Operation

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.

- **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.

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.
Comfortable Operation

**Low-noise Design**
Noise at operator's ear noise level (ISO 6396:2008): 72 dB(A)
Dynamic noise level (outside) (ISO 6395:2008): 112 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 slide adjustment to backward by introducing front mounted air conditioner unit.

**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.

**Fingertip Work Equipment Control Levers with Large Size Arm Rest**
The Pressure Proportional Control (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.
### ENGINE
- **Model**: Komatsu SAA6D125E-5
- **Type**: Water-cooled, 4-cycle Turbocharged, aftercooled
- **Bore x stroke**: 125 mm x 150 mm (4.9" x 5.9")
- **Piston displacement**: 11.04 L (674 in³)
- **Governor**: All-speed, electronic
- **Horsepower**:
  - SAE J 1995: 204 kW (273 HP)
  - ISO 9249/SAE J1349*: 203 kW (272 HP)
- **Rated rpm**: 2000 rpm
- **Fan drive method for radiator cooling**:odies
- **Fuel system**: Direct injection
- **Fuel tank**: 195 L (51.5 U.S. gal/m) at rated rpm
- **Relief valve setting**: 24.5 MPa (3555 psi)
- **Loaders**:
  - Piston pump: 195 L (51.5 U.S. gal/m at rated rpm)
  - Relief valve setting: 24.5 MPa (3555 psi)
- **World hydraulics**:
  - Piston pump: 260 L (68.7 U.S. gal/m at rated rpm)
  - Relief valve setting: 34.3 MPa (4980 psi)
- **Hydraulic cylinders**:
  - Type: Double-acting, piston type
  - Number of cylinders: bore x stroke: 90 mm x 441 mm (3.5" x 17.3")
- **Tyres**:
  - Front: 23.5-25
  - Rear: 24.5-26
- **Rated rpm**: 2000 rpm
- **ISO 9249/SAE J1349*: Gross 204 kW (273 HP)
  - Net 203 kW (272 HP)

### TRANSMISSION
- **Type converter**:
  - 3-element, 1-stage, 1-phase
- **Transmission**:
  - Full-powershift, countershaft type
- **Travel speed**:
  - Measured with 23.5-25 tires

### AXLES AND FINAL DRIVES
- **Drive system**:
  - Four-wheel drive
  - Fixed, semi-floating
  - Center-pin support, semi-floating, 26° 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
- **Steering angle**:
  - 35° each direction (40° end stop)
- **Minimum turning radius**:
  - At the center of outside tire: 6630 mm (219")

### HYDRAULIC SYSTEM
- **Steering system**:
  - Piston pump
  - Capacity: 195 L (51.5 U.S. gal/m at rated rpm)
  - Relief valve setting: 24.5 MPa (3555 psi)
- **Hydraulic cylinders**:
  - Type: Double-acting, piston type
  - Number of cylinders: bore x stroke:
    - Lift cylinder: 2 x 140 mm x 764 mm (5.5" x 30.0")
    - Bucket cylinder: 1 x 160 mm x 575 mm (6.3" x 22.6")
- **Control valve**:
  - 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: 5.4 s
  - Dump: 1.6 s
  - Lower (Empty): 3.7 s

### SERVICE REFILL CAPACITIES
- **Cooling system**: 61 L (16.1 U.S. gal)
- **Fuel tank**: 413 L (109.1 U.S. gal)
- **Engine**: 38 L (10.0 U.S. gal)
- **Hydraulic system**: 173 L (45.7 U.S. gal)
- **Axle front**: 60 L (15.9 U.S. gal)
- **Rear**: 56 L (14.8 U.S. gal)
- **Torque converter and transmission**: 65 L (17.2 U.S. gal)

### BUCKET SELECTION GUIDE

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity (yd³)</th>
<th>kg/m³</th>
<th>lb/yd³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Material Bucket</td>
<td>0.50</td>
<td>155</td>
<td>205</td>
</tr>
<tr>
<td>Loose Material Bucket</td>
<td>0.80</td>
<td>155</td>
<td>205</td>
</tr>
<tr>
<td>Gravel Bucket</td>
<td>1.00</td>
<td>155</td>
<td>205</td>
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<tr>
<td>Rock Bucket</td>
<td>1.20</td>
<td>155</td>
<td>205</td>
</tr>
<tr>
<td>B.O.C. Bucket</td>
<td>1.50</td>
<td>155</td>
<td>205</td>
</tr>
</tbody>
</table>

### MATERIAL DENSITY
- **Material density**: kg/m³ | lb/yd³
- **Material density**: 624 | 0.95
- **Material density**: 1000 | 1.57
- **Material density**: 2000 | 3.14
- **Material density**: 3000 | 4.71
- **Material density**: 5000 | 8.51
**Measured with 26.5-25-16PR (L-3) tires**

**General Purpose Buckets**

<table>
<thead>
<tr>
<th>Stockpile</th>
<th>General</th>
<th>Excavating</th>
<th>Rock Bucket</th>
<th>Loose Material Bucket</th>
<th>Light Material Bucket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockpile</td>
<td>Bolt on Cutting edges</td>
<td>Teeth</td>
<td>Bolt on Cutting edges</td>
<td>Teeth</td>
<td>Bolt on Cutting edges</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4.2 m³</td>
<td>3.9 m³</td>
<td>3.8 m³</td>
<td>3.6 m³</td>
<td>3.6 m³</td>
</tr>
<tr>
<td></td>
<td>5.5 yd³</td>
<td>5.1 yd³</td>
<td>5.0 yd³</td>
<td>4.7 yd³</td>
<td>4.7 yd³</td>
</tr>
<tr>
<td>Struck</td>
<td>3.5 m³</td>
<td>3.3 m³</td>
<td>3.2 m³</td>
<td>3.1 m³</td>
<td>3.1 m³</td>
</tr>
<tr>
<td></td>
<td>4.6 yd³</td>
<td>4.3 yd³</td>
<td>4.2 yd³</td>
<td>4.1 yd³</td>
<td>4.1 yd³</td>
</tr>
</tbody>
</table>

**Bucket width**

|          | 3170 mm | 3190 mm | 3170 mm | 3190 mm | 3190 mm | 3190 mm | 3170 mm | 3170 mm |
|          | 10'5"   | 10'6"   | 10'5"   | 10'6"   | 10'6"   | 10'5"   | 10'5"   | 10'5"   |

**Bucket weight**

|          | 2055 kg | 1965 kg | 2165 kg | 2200 kg | 2075 kg | 2160 kg | 2210 kg | 2255 kg |
|          | 4530 lb | 4330 lb | 4770 lb | 4850 lb | 4570 lb | 4760 lb | 4870 lb | 4970 lb |

**Dumping clearance, max. height and 45° dump angle**

|          | 3185 mm | 3060 mm | 3235 mm | 3110 mm | 3110 mm | 2975 mm | 3055 mm | 3035 mm |
|          | 10'5"   | 10'0"   | 10'7"   | 10'2"   | 10'2"   | 9'9"   | 10'0"   | 9'11"   |

**Reach at max. height and 45° dump angle**

|          | 1235 mm | 1335 mm | 1185 mm | 1285 mm | 1285 mm | 1435 mm | 1365 mm | 1385 mm |
|          | 4'1"    | 4'5"    | 4'3"    | 4'3"    | 4'3"    | 4'6"    | 4'6"    | 4'7"    |

**Reach at 2130 mm (7') clearance and 45° dump angle**

|          | 1935 mm | 1975 mm | 1905 mm | 1950 mm | 1950 mm | 2035 mm | 2010 mm | 2020 mm |
|          | 6'4"    | 6'3"    | 6'5"    | 6'5"    | 6'5"    | 6'8"    | 6'7"    | 6'8"    |

**Reach with arm horizontal and bucket level**

|          | 2755 mm | 2910 mm | 2685 mm | 2840 mm | 2840 mm | 3040 mm | 2940 mm | 2965 mm |
|          | 9'0"    | 9'7"    | 8'10"   | 9'4"    | 9'4"    | 10'0"   | 9'8"    | 9'9"    |

**Operating height (fully raised)**

|          | 5960 mm | 5960 mm | 5875 mm | 5875 mm | 5875 mm | 5875 mm | 5875 mm | 5960 mm |
|          | 19'7"   | 19'7"   | 19'3"   | 19'3"   | 19'3"   | 19'3"   | 19'3"   | 19'7"   |

**Overall length**

|          | 8825 mm | 8980 mm | 8755 mm | 8910 mm | 8910 mm | 9210 mm | 9010 mm | 9035 mm |
|          | 28'11"  | 29'6"   | 28'9"   | 29'3"   | 29'3"   | 29'11"  | 29'7"   | 29'8"   |

**Loader clearance circle (35°)**

|          | 15280 mm | 15380 mm | 15240 mm | 15340 mm | 15340 mm | 15280 mm | 15370 mm | 15380 mm |
|          | 50'2"    | 50'6"    | 50'0"    | 50'4"    | 50'4"    | 50'2"    | 50'5"    | 50'6"    |

**Digging depth**

|          | 80 mm | 100 mm | 80 mm | 100 mm | 100 mm | 85 mm | 80 mm | 80 mm |
|          | 3.1"  | 3.9"   | 3.1"  | 3.9"   | 3.9"   | 3.3"  | 3.1"  | 3.1"  |

**Static tipping load: straight**

|          | 18250 kg | 18610 kg | 18150 kg | 18330 kg | 18510 kg | 18280 kg | 18115 kg | 18070 kg |
|          | 40240 lb | 41035 lb | 40020 lb | 40420 lb | 40815 lb | 40310 lb | 39940 lb | 39840 lb |

**40° full turn**

|          | 15680 kg | 16035 kg | 15580 kg | 15760 kg | 15935 kg | 15705 kg | 15540 kg | 15495 kg |
|          | 34570 lb | 35360 lb | 34350 lb | 34745 lb | 35135 lb | 34630 lb | 34265 lb | 34165 lb |

**Breakout force**

|          | 192 kN | 207 kN | 203 kN | 209 kN | 220 kN | 190 kN | 180 kN | 165 kN |
|          | 43160 lb | 45660 lb | 47660 lb | 49200 lb | 49200 lb | 47790 lb | 37130 lb | 37130 lb |

**Operating weight**

|          | 22900 kg | 22900 kg | 23100 kg | 23140 kg | 23010 kg | 23095 kg | 23140 kg | 23190 kg |
|          | 50690 lb | 50490 lb | 50935 lb | 51020 lb | 50735 lb | 50920 lb | 51025 lb | 51135 lb |

**At the end of tooth or bolt on cutting edge (B.O.C.). All dimensions, weights, and performance values based on ISO 7131 and ISO 7546 standards. Static tipping load and operating weight shown 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.**
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>23.5-25-20PR(L-3)</td>
<td>-305</td>
<td>-672</td>
<td>-240</td>
<td>-529</td>
<td>2920</td>
<td>9'7&quot;</td>
</tr>
<tr>
<td>23.5-25-20PR(L-2)</td>
<td>-615</td>
<td>-1355</td>
<td>-480</td>
<td>-1058</td>
<td>3010</td>
<td>9'11&quot;</td>
</tr>
<tr>
<td>26.5-25-16PR(L-3)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3010</td>
<td>9'11&quot;</td>
</tr>
<tr>
<td>26.5-25-20PR(L-4)</td>
<td>+425</td>
<td>+937</td>
<td>+330</td>
<td>+726</td>
<td>3010</td>
<td>9'11&quot;</td>
</tr>
<tr>
<td>Install additional counterweight</td>
<td>+400</td>
<td>+880</td>
<td>+1070</td>
<td>+2358</td>
<td>3010</td>
<td>9'11&quot;</td>
</tr>
</tbody>
</table>

STANDARD EQUIPMENT

- 2-spool valve for boom and bucket controls
- Alternator, 50 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 2 x 12 V/136 Ah
- Counterweight
- Directional signal
- Engine, Komatsu SAA6D125E-5 diesel
- Engine shut-off system, electric
- Extra poor fuel pre-filter
- Hard water area arrangement
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Main monitor panel with Equipment Management Monitoring System
- PPC fingertip control, two levers
- Radiator mask, lattice type
- Rearview mirror for cab
- Rear window washer and wiper
- ROPS/FOPS (ISO 3471/ISO 3449) cab
- Seat belt
- Seat, suspension type with reclining
- Service brakes, wet disc type
- Starting motor, 24 V/7.5 kW
- Steering wheel, tiltable, telescopic
- Sun visor
- Tires (26.5-25-16PR tubeless) and rims
- Transmission, 4 forward and 4 reverse

OPTIONAL EQUIPMENT

- 12V converter
- 3-spool valve
- Additional counterweight
- Air conditioner
- AM/FM radio
- AM/FM stereo radio cassette
- Batteries, 2 x 12 V/140 Ah
- Bucket teeth (bolt on type)
- Bucket teeth (tip type)
- Cutting edge (bolt on type)
- Electronically Controlled Suspension System
- Engine pre-cleaner with extension
- Fire extinguisher
- Floor mat
- Front fender
- High lift boom
- Joystick steering
- Large fuel pre-filter
- Lock-up clutch torque converter
- Ordinary spare parts
- Power train guard
- Seat, air suspension with automatic weight adjustment
- Secondary steering (ISO 5010)
- Segment edges
- Tool kit
- Vandalism protection kit
- Limited slip differential (F&R)