

# KOMATSU

## WA500-6R



Photos may show equipments not available in your area

Wheel loader

**Engine power**  
266 kW / 357 HP @ 1900 rpm

**Operating weight**  
33150 - 34470 kg

**Bucket capacity**  
4.3 - 5.6 m<sup>3</sup>

WA500-6R

## Walk-around



Engine power

**266 kW / 357 HP @ 1900 rpm**

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**33150 - 34470 kg**

Bucket capacity

**4.3 - 5.6 m<sup>3</sup>**

### High productivity & low fuel consumption

- Variable displacement piston pump & Closed-Centre Load Sensing System (CLSS)
- High performance Komatsu SAA6D140E-5 engine
- Faster travel & lower fuel consumption
- Dual-mode engine power select system
- Large-capacity torque converter
- Lock-up torque converter (option)

### Increased reliability

- Komatsu components
- High-rigidity frames and loader linkage
- Wet multi-disc brakes and fully hydraulic braking system

### Easy maintenance

- Gull-wing engine side cover
- Equipment Management and Monitoring System
- Easy radiator cleaning with reversible fan
- Easy access to service points

### Excellent operator environment

- Pillar-less large cab
- Fingertip control levers
- Electrically controlled transmission lever
- Automatic transmission with electronically controlled modulation valve
- Variable transmission cut-off system
- Joystick steering system (option)

### Safety

- ROPS/FOPS cab (ISO 3471/ISO 3449)
- Rear-hinged full open cab door

### Komtrax

- Komatsu Wireless Monitoring System



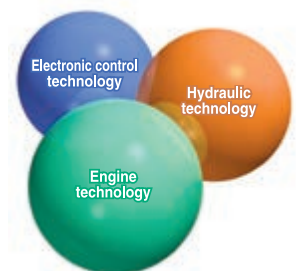


## High productivity & low fuel consumption



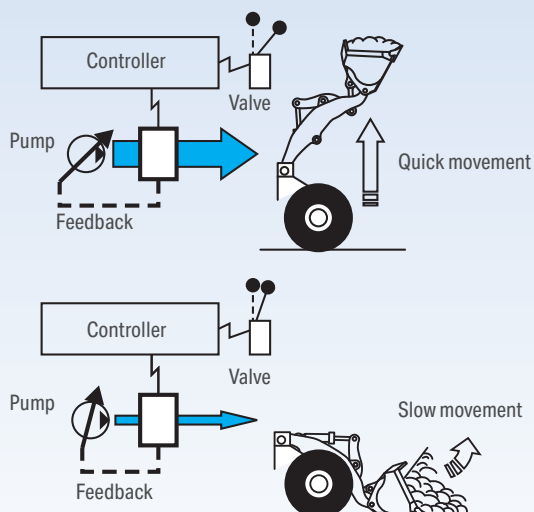
### Precision control with Closed-center Load Sensing System (CLSS) hydraulics

The WA500-6R features variable-displacement pumps on both the hydraulic and steering systems. These pumps deliver the exact amount of oil required, dramatically improving fuel efficiency. Komatsu's Closed-center Load Sensing system (CLSS) hydraulics enables extremely precise control of the working gear, and ensures that the bucket, boom and hydraulically driven attachments can all move smoothly at the same time.



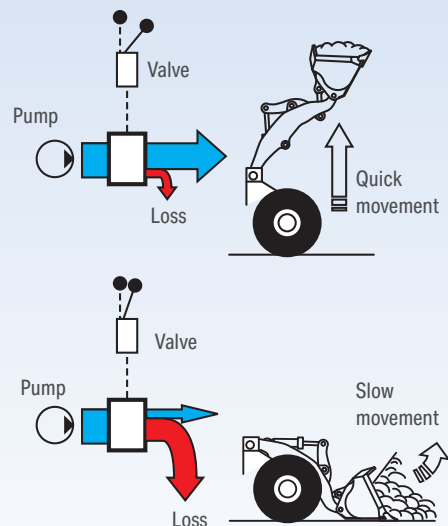
#### Variable displacement piston pump

The pump delivers hydraulic pressure only when required.



#### Fixed displacement piston pump

The pump delivers the maximum amount at any time. The unused flow is disposed of.



## 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 operations or hill climbs.

## 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 efficiency while also giving tractive force at the touch of the accelerator pedal.

## Superior dumping height and reach

The long lifting frame allows an enormous dumping height of 3295 mm and a reach of 1500 mm that is just as impressive (with a 4.5 m<sup>3</sup> bucket, measured to the cutting edge). With this working range, loading high feeders or trucks becomes easy and fast.



## Wide tread and long wheelbase

A 2400 mm wide tread and a long wheel base of 3780 mm give the WA500-6R outstanding stability – enough to handle rough terrain and fast load & carry cycles with the minimum spillage and maximum comfort. With 40° steering articulation to both sides, the WA500-6R is extremely manoeuvrable in tight spaces for faster loading cycles.

## Large-capacity torque converter

The newly designed drive train has a large-capacity torque converter for optimal efficiency. The WA500-6R 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.

## Lock-up torque converter (option)

The Komatsu designed lock-up torque converter provides increased production efficiency, reduced cycle times and optimum fuel savings in Load & Carry or hill-climb operations. This feature allows the operator to activate the system on/off with a switch located on the right-side control panel.



## Increased reliability

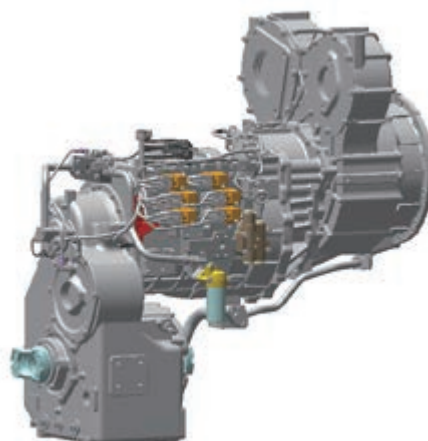


### Designed and built by Komatsu

Komatsu develops and manufactures the hydraulic pumps and valves, front and rear axles, engine, transmission and torque converter itself. All the components are subject to the highest engineering and quality standards – right down to the smallest screw. They are all designed to work together perfectly for maximum efficiency and reliability.

### Newly developed transmission

The Komatsu planetary transmission with electronically controlled automatic shifting ensures a perfect gear change every time. Based on the travel speed, the engine speed and the angle of the accelerator pedal, the system calculates the ideal shifting point to keep the engine in an economical operating range and ensures a smooth gear shift. This guarantees maximum productivity with minimal effort, allowing the operator to concentrate on the job at hand.



### Durable, heavy-duty axles

A new development, the heavy-duty axles enable an above-average service life even under the toughest working conditions. The WA500-6R can also be equipped with optional multi-disc, limited-slip differentials for even greater tractive force.

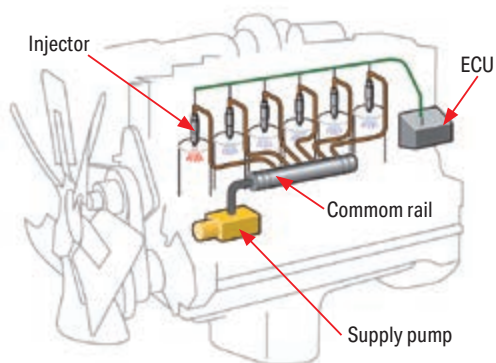


## High performance SAA6D140E-5 engine

Komatsu SAA6D140E-5 engine with high pressure common rail injection delivers ample power in a fuel efficient way. The engine meets EU Stage II and EPA Tier II emissions regulations. WA500-6R's Komatsu SAA6D140E-5 engine features higher torque, better performance at low speed, excellent throttle response and advanced electronics.

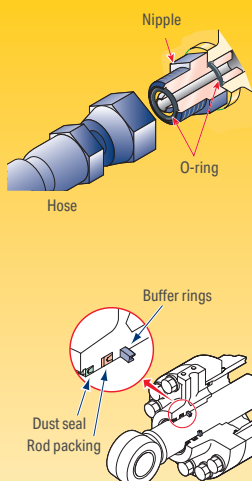
## Heavy duty HPCR system (High Pressure Common Rail fuel injection)

A high pressure pump pumps fuel into an accumulator chamber or 'Common Rail'. An ECU (electronic control unit) then optimizes fuel injection from the common rail into the engine cylinders. This improves engine power and fuel efficiency, reducing emission and noise levels.



## Reliable hydraulic line

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 on the head side of the all-hydraulic cylinders to lower the load on the rod seals and maximise reliability.



## Sealed DT connectors

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



## Wet multi-disc brakes and fully hydraulic braking system

This system provides lower maintenance costs and higher reliability. Wet disc brakes are fully sealed. Contaminants are kept out, reducing wear and 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. This system provides hydraulic backup should one of the circuits fail.



## High-rigidity frames and loader linkage

The front and rear frames and loader linkage have more torsional rigidity providing longer frame life. Extensive testing has proved that frame and loader linkage have the ability to accommodate actual work loads.



### Easy maintenance



#### Designed to save time

With long service intervals and best-in-class accessibility, the WA500-6R reduces the time and money you need to spend on maintenance. A gas spring helps the operator open and close each gull-wing side door for easy daily servicing.

#### Reversible hydraulic fan

A push-button switch in the cab allows the operator to run the radiator fan in reverse for working in dusty environments. Furthermore, the hinged, bolt-on fan can be swung out for easier cleaning.

#### Simple fluid level checks

All important fluid levels can be easily checked from ground level. Sight gauges for coolant, oil and air cleaner let you check the level at a glance.





## Equipment Management and Monitoring System

The monitor is mounted in front of the operator for easy viewing, allowing the operator to easily check gauges and warning lights.

### Maintenance control and troubleshooting functions

- Action code display: If any abnormality should occur, the monitor displays action details and faults to the operator.
- Monitor: Amongst other functions, the controller monitors engine oil level, pressure and coolant temperature. All errors are displayed on the LCD.
- Replacement time notice: The monitor informs replacement time of oil and filters on the LCD when replacement intervals are reached.
- Trouble data memory: The monitor stores abnormalities for effective troubleshooting.



### Easy access to service points

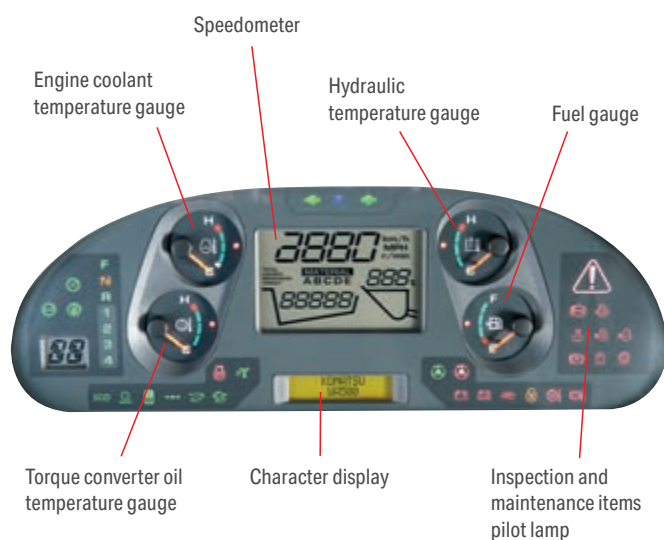
For easy and safe opening the gull-wing doors are supported by gas springs. The large doors give a convenient access from ground level to all daily service points.

### Centralised filter arrangement

With all filters collected into a centralised arrangement, the down time for servicing is reduced to a minimum. The engine air filter can be easily accessed from the platform while the transmission oil filters are externally mounted.

### External fluid drains

All fluids can be drained through externally mounted valves for easy maintenance and reduced spillage.



### Modular radiator core system

The modular radiator core is easy to replace without removing the entire radiator assembly.



### Easy engine access

For engine inspections, the bolt-on top cover can be removed in minutes providing the easy access to the engine compartment.



## First-class comfort



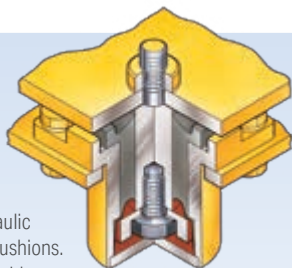
### Pillar-less large cab

A wide pillar-less windscreen 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 the rear by introducing front mounted air conditioner unit.



### 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. The cab sealing is improved to provide a quiet, low-vibration, dustproof pressurised, and comfortable operating environment. Also, the exterior noise level is the lowest in its class.



### Steering wheel with telescopic/tilt column

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



### Ergonomic hydraulic controls and large armrest

The easy-to-use Electronic Pilot Control (EPC) levers offer precise, fatigue-free control of the loading process. The height of

and distance to the sliding console and the large armrest can be adjusted for maximum comfort. Furthermore, the system is isolated from any vibration and shock from the loader equipment.



## Automatic transmission with ECMV

The 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:**

The kick-down switch downshifts to a lower gear when the operator pushes the switch. Gear position is automatically reset when putting the gear into reverse.

- **One push power-up function:**

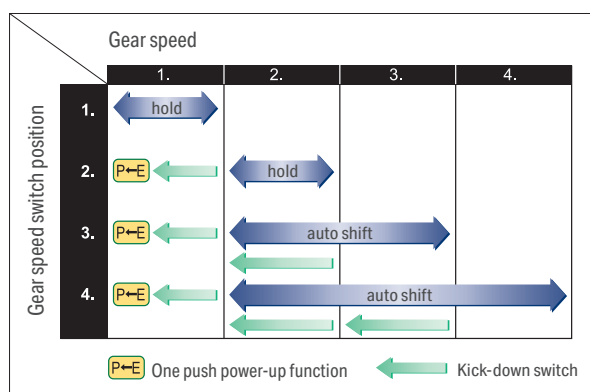
The kick-down switch allows to increase power temporally in E mode. In the 1st gear with E mode, pressing the kick-down switch changes the mode to P mode. Useful for heavy digging operation during light application such as Load & Carry operation.

- **Hold switch:**

Auto shift is selected and if the operator turns on this switch when the lever is in 3rd or 4th gear, the transmission is held in that gear speed.

- **Variable transmission cut-off:**

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.



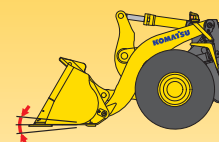
### Remote boom positioner

The highest and lowest position of the bucket can be set from cab to match any truck body. Once the positioner is set, the bucket is smoothly stopped at desired position with no shock.



### Remote bucket digging angle control

The bucket return-to-dig angle can be adjusted by up to 5 degrees in either direction to suit the ground condition.



### Automatic boom & bucket kick-out

The kick-out positions can be adjusted from the operator's seat, stopping lifting and lowering actions smoothly at the desired point so the operator can focus on the job at hand.

## Joystick steering system (option)

A joystick steering system is available as optional equipment, and ensures that steering can be wrist operated easily and conveniently



in loading operations. This system allows you to change the direction of travel and gear shifting with push buttons on the joystick. And you may pre-select the steering speed in 2 stages, depending upon whether fast V-loading or precise load & carry is required.

## Electronically controlled suspension system (option)

Electronically controlled suspension system uses an accumulator which absorbs some of the shock in the boom arm, giving the operator a much smoother ride. This reduces operator fatigue and reduces material spillage during load and carry operations. Electronically Controlled Suspension System operation is speed sensitive and turned off automatically below 5 km/h speed, meaning that the boom won't move during stationary digging.



## Safety first



### ROPS/FOPS cab

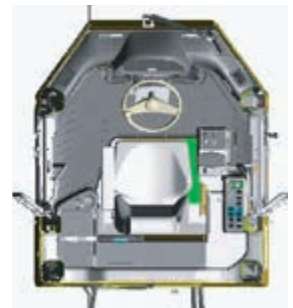
The ROPS/FOPS cab is standard for operator's safety. A wide pillar-less flat glass provides excellent front visibility, and a heated rear window provides excellent rear visibility in cold and freezing weather conditions.

ROPS (ISO 3471): Roll-over Protective Structure

FOPS (ISO 3449): Falling Objects Protective Structure

### 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.



### 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.



### 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.

#### • Battery disconnect switch

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

## Komtrax

The Komatsu remote monitoring and management technology provides insightful data about your equipment and fleet in user-friendly format.

### Energy saving operation report

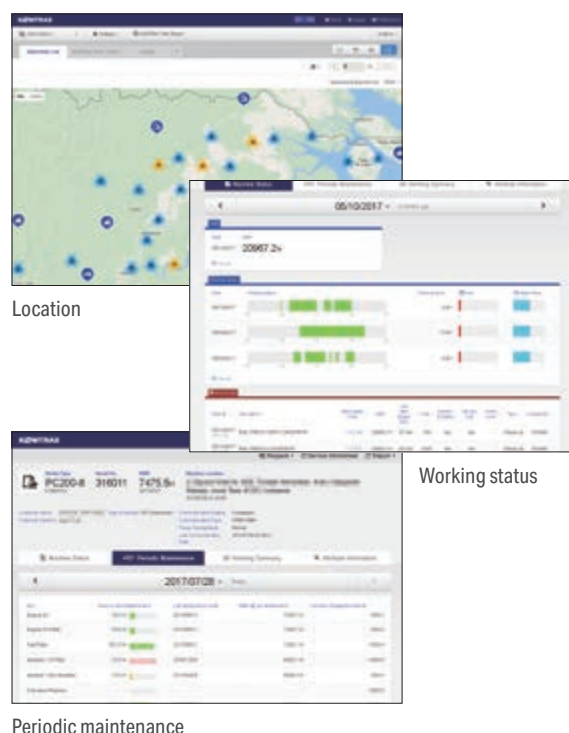
Komtrax delivers the energy-saving operation report based on the operating information such as fuel consumption, load summary and idling time, which helps you efficiently run a business.



This report image is an example of hydraulic excavator

### Equipment management support

Through the web application, a variety of search parameters are available to quickly find information about specific machines based on key factors. Moreover, Komtrax finds out machines with problems from your fleet and shows you through an optimal interface.



The report contents and data depend on the machine model.

### Optimal strategy for efficient work

The detailed information that Komtrax puts at your fingertips helps you manage your fleet conveniently on the web anytime, anywhere. It gives you the power to make better daily and long-term strategic decisions.



# Specifications

## Engine

Model	Komatsu SAA6D140E-5
Type	Water-cooled, 4-cycle
Aspiration	Turbocharged, after-cooled
No. of cylinders	6
Bore × stroke	140 × 165 mm
Displacement	15.24 l
Governor	All-speed, electronic
Engine power	
at rated engine speed	1900 rpm
SAE J1995	Gross 266 kW / 357 HP
ISO 9249/SAE J1349*	Net 263 kW / 353 HP
Fan drive type	Hydraulic
Fuel system	Direct injection
Lubrication system	
Method	Gear pump, force-lubrication
Filter	Full-flow type
Air filter type	Dry-air filter with automatic dust emission and preliminary purification including a dust display

\* Net horsepower at the maximum speed of radiator cooling fan is 248 kW / 332 HP. U.S. EPA Tier 2 and EU Stage 2 emissions equivalent.

## Transmission

Type	Full-powershift, countershaft type
Torque converter	3-element, 1-stage, 1-phase

## Speeds in km/h (with 29.5-25 tyres)

Gear	1.	2.	3.	4.
Forward	7.7	12.5	22.3	34.9
Reverse	8.6	13.0	24.8	36.5

## Chassis and tyres

System	4-wheel drive
Front axle	Fixed, full-floating
Rear axle	Center-pin support, full-floating, 24° total oscillation
Reduction gear	Spiral bevel gear
Differential gear	Conventional type
Final drive	Planetary gear, single reduction
Tyres	29.5-25

## Brakes

Operating brakes	Hydraulically actuated, wet multi-disc brakes on all wheels
Parking brake	Wet multi-disc
Emergency brake	Uses the parking brake

## Steering system

System	Articulated frame steering
Type	Completely hydraulic power steering
Steering angle to either side	40° each direction
Steering pump	Piston pump
Working pressure	24.5 MPa / 250 kgf/cm <sup>2</sup>
Pumping capacity	120 l/min
No. of steering cylinders	2
Type	Double-action
Bore diameter × stroke	100 × 486 mm
Smallest turn (center of the tyre 29.5-25)	6430 mm

## Hydraulic system

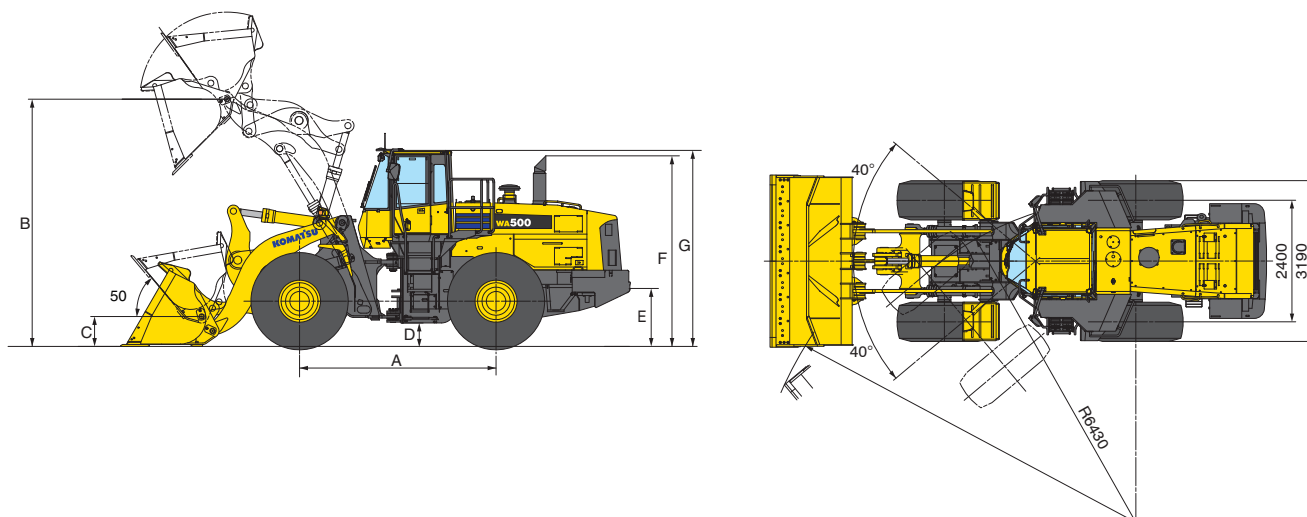
Hydraulic pump	Piston pump
Maximum pump flow	320 l/min
Working pressure	34.3 MPa / 350 kgf/cm <sup>2</sup>
No. of lift/bucket cylinders	2/1
Type	Double-action
Bore diameter × stroke	
Boom cylinder	160 × 898 mm
Bucket cylinder	185 × 675 mm
Control valve	2-spool type
Control positions	
Boom	Raise, hold, lower, and float
Bucket	Tilt-back, hold, and dump
Hydraulic cycle with rated load bucket filling	
Raise time	7.2 s
Dumping time	1.7 s
Lowering time (empty)	4.2 s

## Service refill capacities

Cooling system	120 l
Fuel tank	473 l
Engine oil	45 l
Hydraulic system	337 l
Front axle	87 l
Rear axle	81 l
Torque converter and transmission	76 l



## Dimensions



### Measurements and working specifications

	Standard boom	High-lift boom
H Tread	2400 mm	
I Width over tyres	3190 mm	
A Wheel base	3780 mm	
B Hinge pin height, max.	4755 mm	5165 mm
C Hinge pin height, carry position	575 mm	700 mm
D Ground clearance	450 mm	
E Hitch height	1115 mm	
F Overall height, top of the stack	3665 mm	
G Overall height, ROPS cab	3785 mm	

Dimensions with 29.5-25-22PR (L-3) tyres

### Change in data caused by:

Tyres / attachment	Operating weight	Tipping load straight	Tipping load full turn	Width over tyres	Ground clearance	Overall height
	kg	kg	kg	mm	mm	mm
29.5-25-22PR (L-3)	0	0	0	0	0	0
29.5-25-22PR (L-5)	+1335	+1135	+995	0	0	0
29.5-R25 (L-3)	+10	+5	+5	0	0	0
Add. counterweight	+900	+1865	+1645	0	0	0

## Dimensions

Measured with 29.5-25-22PR (L-3) tyres

Standard boom		Stockpile bucket		Excavating bucket			Rock bucket (Spade nose)	
		BOC	Teeth	BOC	Teeth and segments	Teeth	Teeth and segments	Teeth
Bucket capacity:	heaped	5.6 m <sup>3</sup>	5.3 m <sup>3</sup>	5.2 m <sup>3</sup>	5.2 m <sup>3</sup>	5.0 m <sup>3</sup>	5.0 m <sup>3</sup>	4.7 m <sup>3</sup>
	struck	4.8 m <sup>3</sup>	4.5 m <sup>3</sup>	4.2 m <sup>3</sup>	4.2 m <sup>3</sup>	4.0 m <sup>3</sup>	4.2 m <sup>3</sup>	4.0 m <sup>3</sup>
Bucket width		3400 mm	3460 mm	3400 mm	3460 mm	3460 mm	3460 mm	3460 mm
Bucket weight		3110 kg	2955 kg	3055 kg	3145 kg	2900 kg	3745 kg	3490 kg
Dumping clearance, max. height and 45° dump angle*		3295 mm	3165 mm	3395 mm	3265 mm	3265 mm	3030 mm	3030 mm
Reach at max. height and 45° dump angle*		1500 mm	1600 mm	1400 mm	1495 mm	1495 mm	1725 mm	1725 mm
Reach at 2130 mm clearance and 45° dump angle		2300 mm	2340 mm	2215 mm	2285 mm	2285 mm	2400 mm	2400 mm
Reach with arm horizontal and bucket level		3265 mm	3425 mm	3120 mm	3280 mm	3280 mm	3610 mm	3610 mm
Operating height (fully raised)		6430 mm	6430 mm	6415 mm	6415 mm	6415 mm	6630 mm	6630 mm
Overall length		9815 mm	9975 mm	9670 mm	9790 mm	9790 mm	10155 mm	10155 mm
Loader clearance circle (bucket at carry, outside corner of bucket)		15300 mm	15460 mm	15220 mm	15380 mm	15380 mm	15290 mm	15290 mm
Digging depth:	0°	135 mm	155 mm	135 mm	155 mm	155 mm	165 mm	165 mm
	10°	435 mm	485 mm	410 mm	460 mm	460 mm	525 mm	525 mm
Static tipping load:	straight	24300 kg	24500 kg	24450 kg	24340 kg	24655 kg	23700 kg	24020 kg
	40° full turn	21000 kg	21170 kg	21130 kg	21035 kg	21305 kg	20480 kg	20755 kg
Breakout force		245 kN	262 kN	268 kN	274 kN	288 kN	233 kN	243 kN
Operating weight		33360 kg	33205 kg	33305 kg	33395 kg	33150 kg	33995 kg	33740 kg

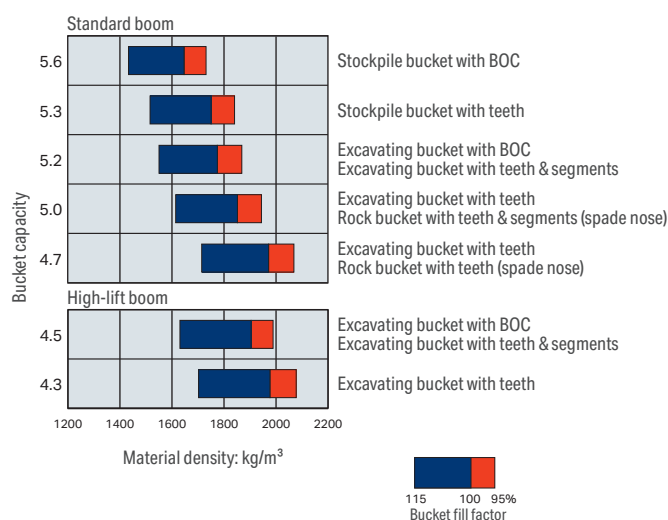
High-lift boom		Excavating bucket		
		BOC	Teeth and segments	Teeth
Bucket capacity:	heaped	4.5 m <sup>3</sup>	4.5 m <sup>3</sup>	4.3 m <sup>3</sup>
	struck	3.7 m <sup>3</sup>	3.7 m <sup>3</sup>	3.5 m <sup>3</sup>
Bucket width		3400 mm	3460 mm	3460 mm
Bucket weight		2885 kg	2975 kg	2730 kg
Dumping clearance, max. height and 45° dump angle*		3890 mm	3760 mm	3760 mm
Reach at max. height and 45° dump angle*		1435 mm	1530 mm	1530 mm
Reach at 2130 mm clearance and 45° dump angle		2585 mm	2645 mm	2645 mm
Reach with arm horizontal and bucket level		3385 mm	3545 mm	3545 mm
Operating height (fully raised)		6715 mm	6715 mm	6715 mm
Overall length		10030 mm	10190 mm	10190 mm
Loader clearance circle (bucket at carry, outside corner of bucket)		15610 mm	15780 mm	15780 mm
Digging depth:	0°	210 mm	235 mm	235 mm
	10°	470 mm	520 mm	520 mm
Static tipping load:	straight	22405 kg	22290 kg	22595 kg
	40° full turn	19360 kg	19260 kg	19525 kg
Breakout force		286 kN	294 kN	310 kN
Operating weight		34380 kg	34470 kg	34225 kg

\*At the end of tooth or Bolt-on cutting edge (BOC).

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, and operator. Machine stability and operating weight affected by counterweight, tire size, and other attachments.

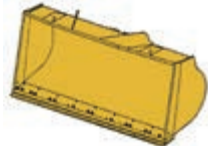
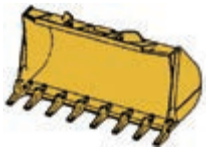
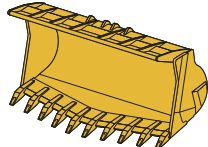
Apply the following weight changes to operating weight and static tipping load.

### Bucket selection guide

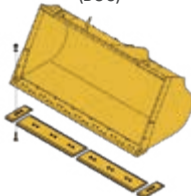


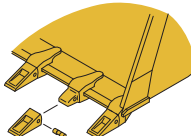
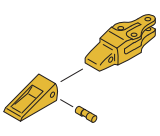


## Buckets & attachments

### ■ Buckets

Type	Feature	Image
<b>Stockpile bucket</b>	This bucket is used for loading stockpile products, such as crushed rock and construction materials.	
<b>Excavating bucket</b>	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.	
<b>Rock bucket (spade nose)</b>	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.	

### ■ Cutting edges and teeth

Type	Feature	Image	
<b>Cutting edge Segment edge</b>	This edge is made for use in loading loose sand and soil, or for loading stockpiled materials. It is bolted to the leading edge of general purpose buckets and may be detached and reversed. The cutting edges are manufactured from especially heat treated, high tension steel, and since they are reversible, both edges can be used. This effectively doubles their working life.	<b>Bolt-on cutting edges (BOC)</b> 	<b>Segment edges (SE)</b> 
<b>Teeth (bolt-on type)</b>	These teeth are suitable for loading or excavation of piles of earth or sand, blasted rock, and jobs in the field that involve digging into the side of slopes. The special heat treated, tensile strength steel alloy used in their production assures that they will wear and have a long service life.		
<b>Teeth (tip type)</b>	These teeth tips which are attached to an adapter that is welded or bolted to the bucket edge. This means that an interchangeable part, the tooth tip, absorbs most of the wear and protects the actual bucket edge. They give excellent performance when used to handle blasted rock, piles of earth and similarly heavy duty tasks.	<b>Welded adapter</b> 	<b>Bolt-on adapter</b> 



## Komatsu total support



### Komatsu total support

To keep your machine available and minimize operation cost when you need it, the Komatsu distributor is ready to provide a variety of supports before and after procuring the machine.

### Fleet recommendation

The Komatsu distributor can study the customer's 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 replace the existing ones from Komatsu.

### Parts availability

The Komatsu distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

### Technical support

Komatsu product support service (technical support) is designed to help customer. The Komatsu distributor offers a variety of effective services to show how much Komatsu is dedicated to the maintenance and support of Komatsu machine.

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



### Product support

The Komatsu distributor gives the proactive support and secures the quality of the machinery that will be delivered.

### Repair & maintenance service

The Komatsu distributor offers quality repair 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 policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu's customer through high quality, prompt delivery and competitively priced in own remanufactured products (QDC).



## Standard equipment

### Engine/power train

- Engine, Komatsu SAA6D140E-5 diesel
- Engine pre-cleaner with extension
- Service brakes, wet disc type
- Transmission, 4 forward and 4 reverse

### Electrical system

- Alternator, 75 A/24 V
- Back-up alarm
- Back-up lamp
- Batteries, 2 × 12 V/170 Ah
- Directional signal
- Engine shut-off system, electric
- Starting motor, 24 V/11.0 kW

### Hydraulic system

- 2-spool valve for boom and bucket controls
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder

### Cab

- Air conditioner
- Auto shift transmission with mode select system
- Electronic Pilot Control fingertip control levers with automatic leveler and positioner
- Floor mat
- Main monitor panel with Equipment Management Monitoring System
- Rearview mirror for cab
- Rear window washer and wiper
- ROPS/FOPS (ISO 3471/ISO 3449) cab
- Seat, air-suspension type with reclining
- Seat belt
- Steering wheel, tiltable, telescopic
- Sun visor

### Work equipment

- Counterweight

### Other equipment

- Front fender
- Hard water area arrangement (corrosion resister)
- Radiator mask, lattice type
- Rear under view mirror
- Tyres (29.5-25-22PR, L-3 tubeless) and rims
- Vandalism protection kit

## Optional equipment

### Engine/power train

- Brake cooling system
- Limited slip differential (F&R)

### Electrical system

- 12 V converter
- Alternator, 90 A/24 V
- Batteries, 2 × 12 V/220 Ah
- Battery disconnect switch

### Hydraulic system

- In-line filter
- Lock-up clutch torque converter

### Cab

- AM/FM radio
- AM/FM stereo radio cassette
- Cab heater and defroster
- FNR directional change switch
- Joystick steering
- Seat, air suspension with automatic weight adjustment
- Secondary steering (ISO 5010)

### Work equipment

- Additional counterweight
- Bucket teeth (bolt on type)
- Bucket teeth (tip type)
- Cutting edge (bolt on type)
- High lift boom
- Segmented edges

### Other equipment

- Electronically controlled suspension system
- Fire extinguisher
- Fuel quick coupler
- Load meter, new type
- Ordinary spare parts
- Power train guard
- Tool kit

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Your Komatsu partner:

**KOMATSU**

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