

# KOMATSU®

## WA1200-6

**NET HORSEPOWER**  
1316 kW **1,765 HP** @ 1800 rpm

**OPERATING WEIGHT**  
216400–220550 kg  
**477,100–486,250 lb**

**BUCKET CAPACITY**  
18.0–35.0 m<sup>3</sup> **23.5–45.8 yd<sup>3</sup>**

**WA**  
**1200**

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Photo may include optional equipment.

# **WALK-AROUND**

## ***High Productivity & Low Fuel Consumption***

- High performance SSDA16V160E-2 engine
- Low fuel consumption
- The largest bucket in its class
- Extra dumping clearance and reach
- Traction control
- Hi-cab
- Remote boom positioner
- Selectable traction power

## ***Excellent Operator Environment***

- Automatic transmission with Electronically Controlled Modulation Valve (ECMV)
- Advanced Joystick Steering System (AJSS)
- Engine RPM set system with auto decel.
- Variable transmission cut-off system
- Roomy, quiet cab with power windows
- Low vibration & noise
- Pillar-less large cab with ROPS/FOPS Level 2 canopy
- Comfortable operator's seat
- Trainer seat



## ***Harmony with Environment***

- Meets EPA Tier 2 emission regulations
- Low fuel consumption

***High Reliability & Durability***

- Reliable Komatsu designed and manufactured components
- High-rigidity frames
- Low maintenance brake system
- Hydraulic hoses use flat face o-ring seals
- Primer paint is applied with cation electrodeposition process
- Powder coating is the topcoat of exterior sheet metal
- Sealed DT connectors for electrical connections

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Photos may include optional equipment

***Easy Maintenance***

- Tire saver
- Long oil replacement interval
- Oil sealed loader linkage pins
- Centralized filter layout
- Quick fluid change-out system
- Auto-greasing system
- Equipment Management Monitoring System (EMMS)
- KOMTRAX Plus
- Maintenance accessibility
- Rear access stairs
- Ground level service center



## WA1200-6 WHEEL LOADER

# HIGH PRODUCTIVITY AND LOW FUEL CONSUMPTION

### High Performance SSDA16V160E-2 Engine

Economical Komatsu SSDA16V160E-2 diesel engine provides ample power to move 20.0 m<sup>3</sup> **26.2 yd<sup>3</sup>** loads. Equipped with an electronic accelerator pedal rpm set for easy operation and an electronic governor for low fuel consumption.

**Net power:** 1316 kW **1765 HP**

**Max torque:** 8.15 kNm 831 kgfm **6,010 ft lb**

### Low Emission Engine

This engine meets EPA Tier 2 emission regulations without sacrificing power or machine productivity.

### The Largest Bucket in Its Class

The WA1200-6 is equipped with the largest bucket in its class at 20.0 m<sup>3</sup> **26.2 yd<sup>3</sup>**. Komatsu's bucket is designed for easy loading with little spillage. This, combined with the highest traction and breakout force available, makes a loader which achieves high bucket fill factors and maximum production.



Boom	Bucket	Dump Clearance	Dump Reach
Standard Boom	20.0 m <sup>3</sup> <b>26.2 yd<sup>3</sup></b>	6305 mm <b>20'8"</b>	2890 mm <b>9'6"</b>
High Lift Boom (optional)	18.0 m <sup>3</sup> <b>23.5 yd<sup>3</sup></b>	7065 mm <b>23'2"</b>	2930 mm <b>9'7"</b>

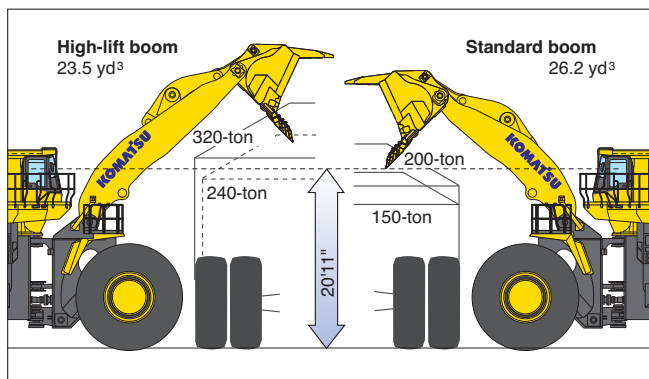




Photos may include optional equipment

### Hi-cab

To enhance loading performance when using large buckets with extra dumping clearance and reach, the hi-cab is standard equipment. From the operator vantage point, 6380 mm **20'11"** from the ground, the seated operator has an unobstructed full view of the bucket and the inside of a 240-ton truck body.



### Matching with Dump Trucks

Aggressive loading and maximum fill factors lead to exceptional productivity in the toughest mining conditions. The WA1200-6 equipped with a 20.0 m<sup>3</sup> **26.2 yd<sup>3</sup>** bucket can load a 150-ton truck in four passes. Due to its extra dumping clearance and reach it is able to load 200-ton trucks in five passes. The high lift version can load 320-ton plus trucks.

Boom \ Truck	150-ton	200-ton	240-ton	320-ton
Standard Boom	4 passes	5 passes	6 passes	—
High Lift Boom (optional)	—	—	7 passes	8 passes



# WA1200-6 WHEEL LOADER

## High Breakout Force / Traction Force

Komatsu wheel loaders have high-tensile steel Z-bar loader linkages for maximum rigidity and maximum breakout force. Sealed loader linkage pins extend greasing intervals.

### Breakout force:

1275 kN 130000 kg **286,600 lb**

20.0 m<sup>3</sup> **26.2 yd<sup>3</sup>** Rock bucket (spade nose with teeth)

### Traction force:

992 kN 101200 kg **223,100 lb**

## Excellent Stability

The WA1200-6 has the widest tread in its class 4,300 mm **14'1"** and a long 7,100mm **23'4"** wheelbase, for maximum machine stability.

## Static tipping load

(with 60/80 R57 tires / bucket 20.0 m<sup>3</sup> **26.2 yd<sup>3</sup>**)

**Straight:** 121930 kg **268,800 lb**

**40° full turn:** 107060 kg **236,000 lb**

## Remote Boom Positioner

The highest and lowest position of the bucket can be set from the operator's seat to match the height of the truck body. The bucket will stop smoothly at the preset position.

## Selectable Traction Power and Travel Speed

- **Maximum traction control:** Traction can be set at any level within 20 - 100% with the "TRACTION CONTROL DIAL" located on the left front of the dash. You can set the maximum traction force according to the condition of the road, material and type of work. This can greatly increase fuel efficiency and extend the service life of tires.

- **Maximum speed control:** With the "VEHICLE SPEED DIAL", you can set the maximum vehicle speed of 1st. and 2nd. at any level from 3km/h **2 mph** to max. This means the operator can adjust the cycle time between the material and the dump truck. As the loading cycle time is shortened, productivity is improved.

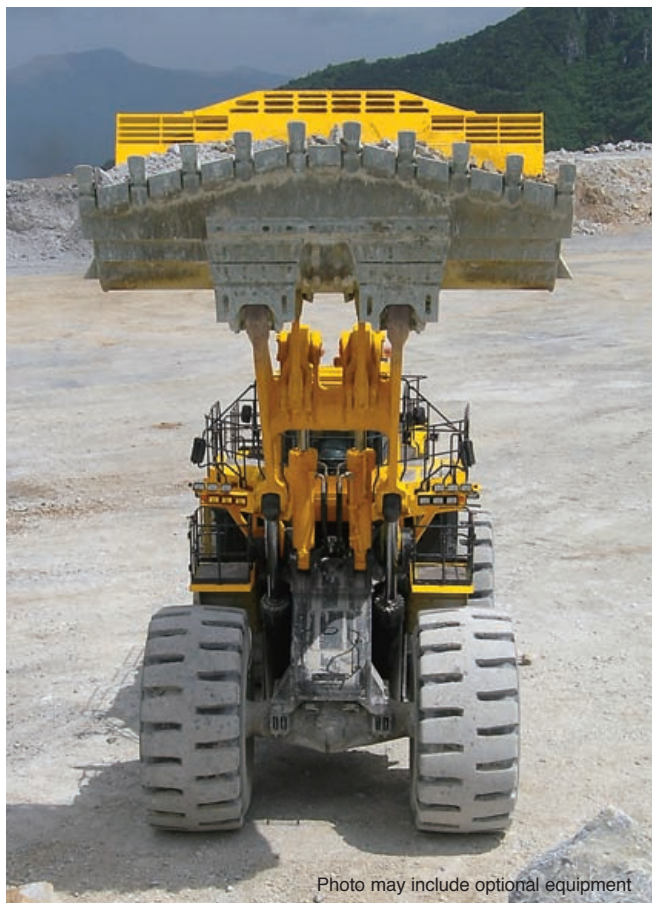
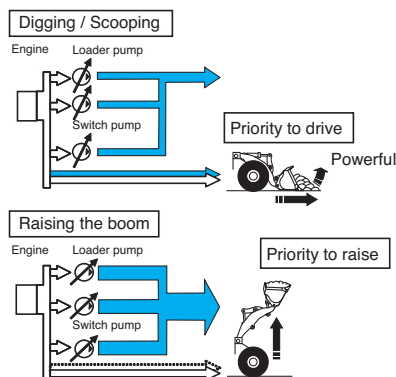


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## Dual-mode Active Working System

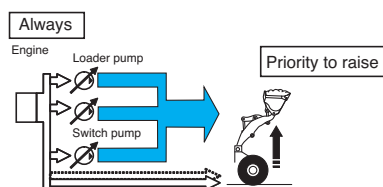
This system provides the most efficient hydraulic flow for your operation. The active working switch has two modes: powerful loading or normal loading.

### Powerful loading mode



Tractive effort is increased for digging material. The boom is raised faster for shorter cycle times. This combination makes this mode efficient for digging blasted rock or hard ground.

### Normal loading mode



All hydraulic flow from the loader pump goes to the work equipment. Traction while digging/shoveling is not increased. The speed of the lift boom is maximum in all operations.

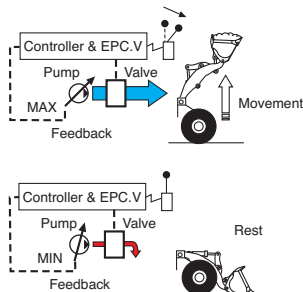


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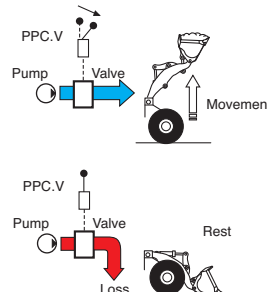
### Pump Neutral Cut (PNC) Control System for Hydraulic Pump

The variable displacement piston pump combined with the Pump Neutral Cut (PNC) system, uses only the required amount of oil flow for the work. This function reduces the fuel rate by controlling the pump discharge, when not operating the work equipment.

#### Variable Displacement Piston Pump



#### Fixed Displacement Piston Pump



### Modulated Clutch System

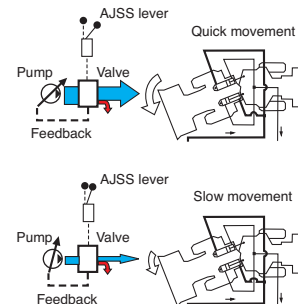
When approaching the dump truck,

- 1) The modulated clutch is controlled automatically to raise the bucket faster, while reducing forward travel speed. This reduction in travel speed reduces the braking requirement and the time to approach the dump truck is shortened.
- 2) This combination also reduces torque loss and smooths the operation.

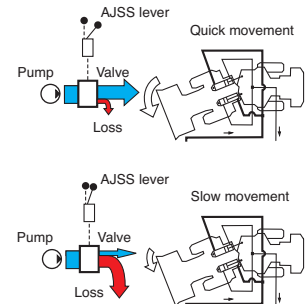
### Variable Displacement Steering Pump + CLSS

The variable displacement steering pump, combined with the Closed-center Load Sensing System, delivers only hydraulic flow the steering requires. This helps prevent loss of hydraulic pressure and contributes to increased fuel economy.

#### Variable Displacement Steering Pump



#### Fixed Displacement Steering Pump



### E ↔ P Control of Engine

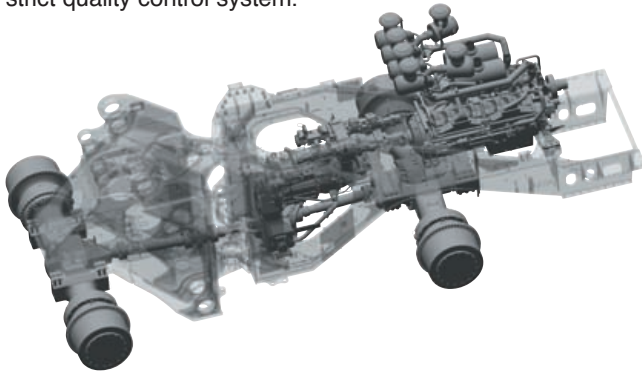
The engine output function has "2 modes", Economy or Power. They are selected and controlled automatically. P mode is selected only when digging and approaching the dump truck. This "2 mode" engine control contributes to the reduction of the fuel rate and also improves reliability and durability.



# HIGH RELIABILITY & DURABILITY

### Reliable Komatsu Designed and Manufactured Components

All components within the power train, from bolts to final gearing, are Komatsu-designed. Komatsu loaders are manufactured with an integrated production system under a strict quality control system.



### Engine Pre-lube System

Engine durability is achieved by raising the oil pressure before starting. When the key is turned, the pre-lubrication pump sends oil from the pan to the filter. When the set oil pressure is reached, the starter motor engages to start the engine.

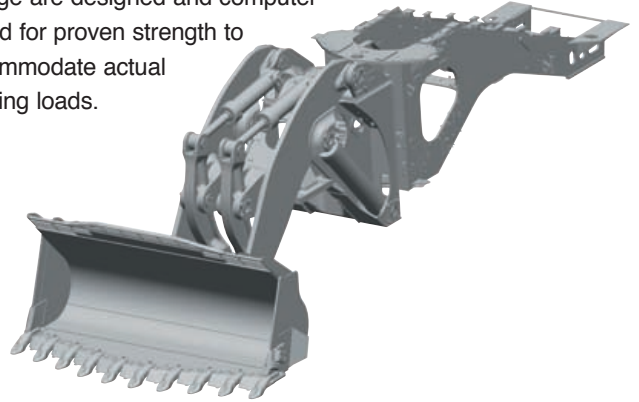
### Low Maintenance Brake System

The WA1200-6 uses Komatsu designed sealed wet disc brakes. This proven design, coupled with a brake oil cooling system, provides reliable and durable final drive braking while traveling downhill with full loads and in load and carry operations.



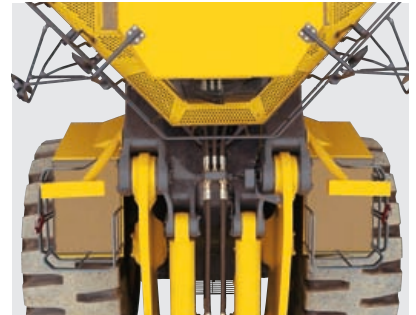
### High-rigidity Frames and Loader Linkage

The front, rear frames and the loader linkage have increased torsional rigidity for stress resistance. Frame and loader linkage are designed and computer tested for proven strength to accommodate actual working loads.



### High-rigidity Frame

To increase frame reliability, steel castings have been incorporated at all pivot points to eliminate long weld lengths.



### Sealed DT Connectors

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

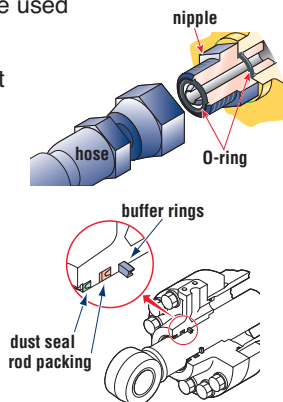






### Flat Face-to-face O-Ring Seals

Flat face-to-face o-ring seals are used to securely seal hydraulic hose connections and to help 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 reliability.



### Sweeper Wing (Large Tire Guard)

To help prevent tire damage, the WA1200-6 includes a large tire guard on both sides of the bucket.



### 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 durable paint finish.

# OPERATOR ENVIRONMENT

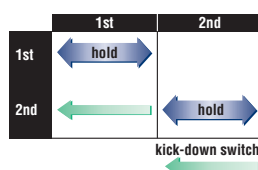
## Easy Operation

### Automatic Transmission with Electronically Controlled Modulation Valve (ECMV)

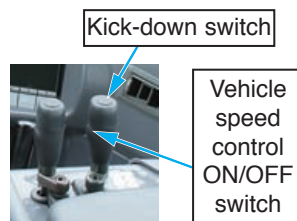
Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV engages the clutch smoothly to help prevent lag and shock when shifting. This system provides efficient machine operation for a comfortable ride.

- **Kick-down switch:**

Powerful scooping is available by shifting down to 1st gear, by pressing the kick down switch on the upper boom lever, when the lever is in 2nd gear.



- **Vehicle speed control ON/OFF switch:** By turning the "Vehicle speed control ON/OFF switch" on the boom lever side to ON, the machine travels with vehicle speed limited to the maximum speed having been set with the "Vehicle speed control dial". When the "Vehicle speed control switch" is on, it is indicated by a light under the "Vehicle speed control dial".

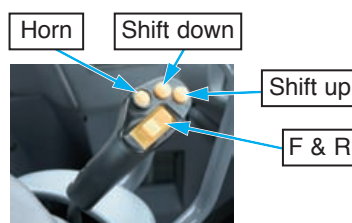


- **Transmission shifting switch:** Manual operation is available by shifting "Transmission shifting switch" to MANUAL.

### Advanced Joystick Steering System (AJSS)

AJSS is a feedback steering system which has been incorporated to allow steering, forward and reverse direction to be controlled by wrist and finger.

With the feedback function, the machine steering angle is the same angle as the lever tilt angle.



### Engine RPM Set System with Auto Decel.

Engine Low idle RPM can be easily preset using a push button switch. The system provides auto decel for better fuel economy.

### Variable Transmission Cut-off System

Transmission cut-off position of the left brake pedal is adjustable by switch operation at operator's seat.

By adjusting the cut-off position according to the type of work, the inching operation is easy and efficient.

- 1) When loading, adjust the cut-off pressure to low. Then the impact of braking is low to help prevent spillage.
- 2) When traveling, adjust the cut-off pressure to high. Load applied to brake will be lighter by using engine brake while decelerating.



1: Trans. cut-off ON/OFF switch 3: Trans. shifting switch  
2: Trans. cut-off set switch

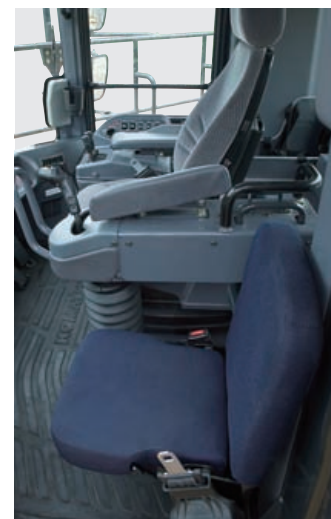
### Comfortable Operator's Seat

The operator's seat is a reclining/air suspension design with headrest to support the operator comfortably during long operation.



### Trainer Seat

A trainer seat is provided for operator instruction. The seat belt is attached to the trainer seat the same way as the operator seat. The trainer seat can be folded up when not in use.





## Comfortable Operation

### Roomy, Quiet Cab with Power Windows

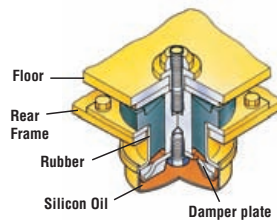
The cab is large, with a comfortable spacious interior and power windows. Other features designed with operators in mind include a lunchbox storage space and cupholder.



Lunchbox storage space

### Low Vibration and Noise

The cab rests on Komatsu viscous damping mounts (rubber and silicon oil) to reduce vibration and noise. Noise level at the operator's ear is 73 dB(A).



### Overhead Panel

Controls for the AM/FM radio, window wiper and washer, cab lights, and air conditioner are neatly arranged in an overhead console easily within the seated operator's reach.



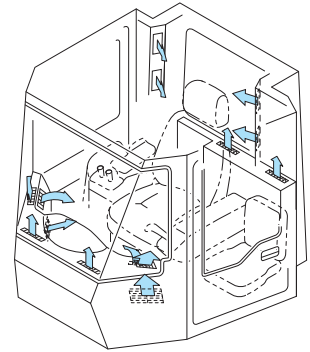
### Pillar-less Large Cab with Level 2 ROPS / FOPS Canopy

Wide pillar-less flat glass provides excellent front visibility. The wiper arm covers a large area to provide excellent visibility even on rainy days.



### Cab Air Conditioning

Large capacity air conditioning system combined with carefully placed vents provide optimum cool air flow and operator comfort in hot weather. Defroster vents are designed to keep the rear window frost-free during cold weather operation. With a simple touch, the operator can easily select from the five operating modes and four fan speeds on the overhead control panel.



# EASY MAINTENANCE

### Tire Saver

The tire saver is effective for extending the service life of tires. It senses tire slip with a speed sensor, then controls the torque converter with the modulated clutch.



### Ground Level Fluid Drain

Hydraulic oil, transmission/torque converter oil, engine oil, and engine coolant can all be changed from the ground. A fast-fill fuel system is also included as standard equipment.



### Auto-greasing System

The periodic lubrication points, except for the driveshaft, are greased automatically according to a preset amount and interval.

### Long Oil Replacement Interval

Adoption of hybrid elements has extended the element replacement interval.

### Lubricated Pins for Loader Links

All of the loader links have lubricated pins, for improved serviceability.

### Centralized Filter Layout

Torque converter / transmission oil filters have been centrally located for ease of replacement from the ground.



### Equipment Management Monitoring System (EMMS)

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



### Exhaust Heat Shields







### Features

- **Auxiliary brakes:**

If the brake oil pressure is too low, the parking brake is automatically engaged.

- **Supplemental steering:**

If the steering pump is disabled, a supplemental steering pump provides hydraulic flow.

- **Manual engine stop switches:**

Manual stop switches, accessible from the ground, are installed in four places, with another inside of the cab.

### Maintenance Accessibility

For maintenance operations, main points are equipped with a step and handrail.



Front frame steps



Rear frame steps

### Rear Access Stairs

For boarding and exiting the machine, rear access stairs with a handrail are provided. The step angle has been reduced from 60 to 45 degrees. The stairs are lighted for night boarding. The secondary egress is on the right side of the machine.



### KOMTRAX Plus

As part of a complete service and support program, Komatsu equips every mining and quarry sized machine with KOMTRAX Plus. By using a satellite-based communication system, KOMTRAX Plus offers a new vision of monitoring your valuable assets by providing insight to critical operating metrics and information that can be used to increase availability, lower owning and operating costs and maximize fuel efficiency.

The KOMTRAX Plus information available on MyKomatsu.com allows service personnel and asset owners to review cautions, operational data, fuel consumption, payloads and key component measurements provided in forms of trends. With KOMTRAX Plus, knowledge becomes the power to fuel your productivity.



## SPECIFICATIONS



### ENGINE

Model .....Komatsu SSDA16V160E-2  
 Type .....Water-cooled, 4-cycle  
 Aspiration .....Turbocharged and aftercooled  
 Number of cylinders .....16  
 Bore x stroke .....159 mm x 190 mm **6.26" x 7.48"**  
 Piston displacement .....60.0 ltr **3661 in³**  
 Governor .....Electronic fuel control  
 Flywheel horsepower  
     SAE J1995 .....Gross 1411 kW **1892 HP**  
     ISO 9249/SAE J1349 .....Net 1316 kW **1765 HP**  
 Rated rpm .....1800 rpm  
 Fan drive method for radiator cooling .....Mechanical  
 Fuel system .....Modular common rail system direct injection  
 Lubrication system:  
     Method .....Screw pump, forced lubrication  
     Filter .....Full-flow  
 Air cleaner .....Dry-type with double elements and automatic  
     dust evacuation with dust indicator on monitor



### TRANSMISSION

Torque converter:  
 Type .....3-element, single-stage, single-phase  
 Transmission:  
 Type .....Full-powershift, planetary type with modulated clutch  
 Travel speed: km/h **mph**  
 Measured with 60/80 R57 tires

	1st	2nd	3rd
Forward	6.1 <b>3.8</b>	11.1 <b>6.9</b>	18.7 <b>11.6</b>
Reverse	6.3 <b>3.9</b>	11.4 <b>7.1</b>	19.3 <b>12.0</b>



### AXLES AND FINAL DRIVES

Drive system .....Four-wheel drive  
 Front .....Fixed, full-floating  
 Rear .....Center-pin support, full-floating,  
     16° total oscillation  
 Reduction gear .....Spiral bevel gear  
 Differential gear .....Straight bevel gear  
 Final reduction gear .....Planetary gear, double reduction, oil bath



### BRAKES

Service brakes .....Hydraulically actuated,  
     wet, multi-disc brakes actuated on four wheels.  
 Parking brake .....Wet, multi-disc, hydraulically-released, spring  
     applied in the transmission.  
 Auxiliary brake .....Parking brake is commonly used



### STEERING SYSTEM

Type .....Articulated type, full-hydraulic power steering  
 Steering angle .....40° each direction  
 Turning radius outside corner of bucket and teeth .....14330 mm **47'0"**



### BUCKET CONTROLS

Control positions  
 Boom .....Raise, hold, lower, and float  
 Bucket .....Tilt-back, hold, and dump



### HYDRAULIC SYSTEM

Rated capacity (discharge flow) @1800 engine rpm  
 Loader pump .....1018 ltr/min **269 gal/min**  
 Steering pump .....633 ltr/min **167 gal/min**  
 Switch pump .....633 ltr/min **167 gal/min**  
 Relief valve setting .....31.4MPa 320 kg/cm² **4,550 psi**  
 Control valves .....A double spool closed-center hydraulic  
     valve and a steering valve combined with  
     a demand valve to provide optimum flow.

Hydraulic Cylinders	Number of Cylinders	Bore	Stroke
Boom	2	360 mm <b>14.2"</b>	1835 mm <b>72.2"</b>
Bucket	2	300 mm <b>11.8"</b>	985 mm <b>38.8"</b>
Steering	2	225 mm <b>8.9"</b>	660 mm <b>26.0"</b>

Control positions:

Boom .....Raise, hold, lower, and float  
 Bucket .....Tilt-back, hold, and dump  
 Hydraulic cycle time (rated load in bucket)  
     Raise .....14.8 sec  
     Dump .....3.2 sec  
     Lower (Empty) .....5.3 sec



### ROPS / FOPS & LEVEL 2 CAB

The cab is mounted on viscous damping mounts and is well insulated.



### SERVICE REFILL CAPACITIES

Cooling system .....500 ltr **132 U.S. gal**  
 Fuel tank .....5100 ltr **1,347 U.S. gal**  
 Engine .....280 ltr **74 U.S. gal**  
 Hydraulic system .....1300 ltr **343 U.S. gal**  
 Differential, final drive (each axle) .....670 ltr **177 U.S. gal**  
 Torque converter and transmission .....350 ltr **92 U.S. gal**  
 Brake oil .....75 ltr **20 U.S. gal**  
 Brake cooling .....290 ltr **77 U.S. gal**

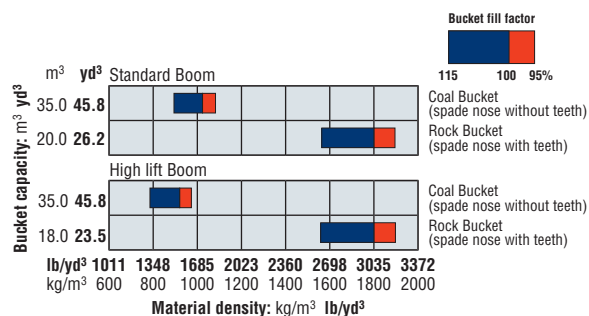


### TIRES

Select proper tires based on job requirements.  
 Standard rim size .....47.00-57/5.0  
 Standard tire size .....60/80 R57



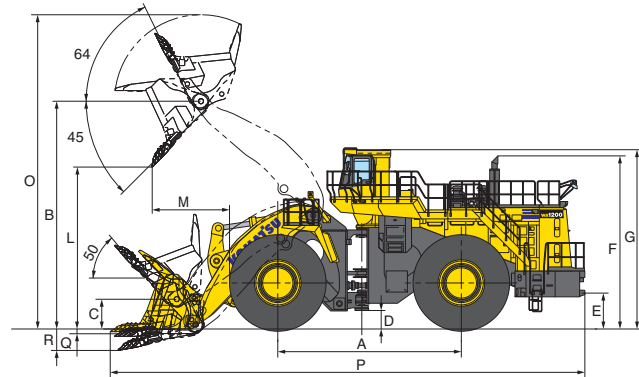
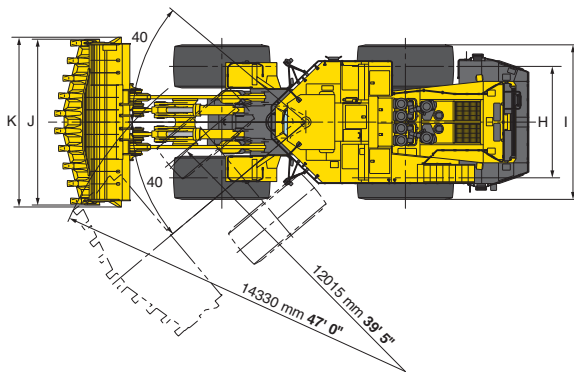
### BUCKET SELECTION GUIDE







### DIMENSIONS



	Standard boom (6200 mm 20'4")				High lift boom (6780 mm 22'2")			
	60/80 R57		58/85-57-84PR		60/80 R57		58/85-57-84PR	
H Tread	4300 mm	14'1"	4300 mm	14'1"	4300 mm	14'1"	4300 mm	14'1"
I Width over tires	5820 mm	19'1"	5720 mm	18'9"	5820 mm	19'1"	5720 mm	18'9"
A Wheelbase	7100 mm	23'4"	7100 mm	23'4"	7100 mm	23'4"	7100 mm	23'4"
B Hinge pin height, max. height	8850 mm	29'0"	8855 mm	29'1"	9540 mm	31'4"	9545 mm	31'2"
C Hinge pin height, carry position	1150 mm	3'9"	1150 mm	3'9"	1350 mm	4'5"	1350 mm	4'5"
D Ground clearance	760 mm	2'6"	765 mm	2'6"	760 mm	2'6"	765 mm	2'6"
E Hitch height	1415 mm	4'8"	1420 mm	4'8"	1415 mm	4'8"	1420 mm	4'8"
F Overall height, top of the stack	6735 mm	22'1"	6740 mm	22'1"	6735 mm	22'1"	6740 mm	22'1"
G Overall height, ROPS cab	6970 mm	22'10"	6975 mm	22'11"	6970 mm	22'10"	6975 mm	22'11"

		Standard boom (6200 mm 20'4")				High lift boom (6780 mm 22'2")			
		60/80 R57		58/85-57-84PR		60/80 R57		58/85-57-84PR	
		Rock Bucket	Coal Bucket	Rock Bucket	Coal Bucket	Rock Bucket	Coal Bucket	Rock Bucket	Coal Bucket
		Spade nose with teeth	Spade nose without teeth	Spade nose with teeth	Spade nose without teeth	Spade nose with teeth	Spade nose without teeth	Spade nose with teeth	Spade nose without teeth
Bucket capacity: heaped		20.0 m³	35.0 m³	20.0 m³	35.0 m³	18.0 m³	35.0 m³	18.0 m³	35.0 m³
		26.2 yd³	45.8 yd³	26.2 yd³	45.8 yd³	23.5 yd³	45.8 yd³	23.5 yd³	45.8 yd³
struck		17.2 m³	30.2 m³	17.2 m³	30.2 m³	15.0 m³	30.2 m³	15.0 m³	30.2 m³
		22.5 yd³	39.5 yd³	22.5 yd³	39.5 yd³	19.6 yd³	39.5 yd³	19.6 yd³	39.5 yd³
J Bucket width		6400 mm	6400 mm	6400 mm	6400 mm	6400 mm	6400 mm	6400 mm	6400 mm
		21'0"	21'0"	21'0"	21'0"	21'0"	21'0"	21'0"	21'0"
K Bucket width with tire protector		6550 mm	—	6550 mm	—	6550 mm	—	6550 mm	—
		21'6"	—	21'6"	—	21'6"	—	21'6"	—
Bucket weight		22780 kg	24620 kg	22780 kg	24620 kg	22400 kg	24620 kg	22400 kg	24620 kg
		50,220 lb	54,280 lb	50,220 lb	54,280 lb	49,380 lb	54,280 lb	49,380 lb	54,280 lb
L Dumping clearance, max. height and 45° dump angle		6305 mm	6310 mm	6310 mm	6315 mm	7065 mm	6990 mm	7070 mm	6995 mm
		20'8"	20'8"	20'8"	20'9"	23'2"	22'11"	23'2"	22'11"
M Reach at max. height and 45° dump angle		2890 mm	3030 mm	2890 mm	3030 mm	2930 mm	3135 mm	2930 mm	3135 mm
		9'6"	9'11"	9'6"	9'11"	9'7"	10'3"	9'7"	10'3"
O Operating height (fully raised)		12205 mm	12980 mm	12210 mm	12985 mm	12785 mm	13660 mm	12790 mm	13665 mm
		40'1"	42'7"	40'1"	42'7"	41'11"	44'10"	42'00"	44'10"
P Overall length (bucket ground)		18310 mm	18405 mm	18305 mm	18400 mm	18945 mm	19140 mm	18940 mm	19135 mm
		60'1"	60'5"	60'1"	60'4"	62'2"	62'10"	62'2"	62'9"
Loader clearance circle *1		28660 mm	28640 mm	28660 mm	28640 mm	29230 mm	29300 mm	29230 mm	29300 mm
		94'0"	94'0"	94'0"	94'0"	95'11"	96'2"	95'11"	96'2"
Q Digging depth: 0°		250 mm	145 mm	245 mm	140 mm	250 mm	145 mm	245 mm	140 mm
		9.8"	5.7"	9.6"	5.5"	9.8"	5.7"	9.6"	5.5"
R 10°		785 mm	700 mm	780 mm	695 mm	770 mm	685 mm	765 mm	680 mm
		30.9"	27.6"	30.7"	27.4"	30.3"	27.0"	30.1"	26.8"
Static tipping load: straight		121930 kg	120530 kg	122530 kg	121130 kg	110950 kg	108850 kg	111550 kg	109450 kg
		268,800 lb	265,730 lb	270,130 lb	267,050 lb	244,580 lb	239,970 lb	245,920 lb	241,300 lb
40° full turn		107060 kg	105830 kg	107580 kg	106350 kg	97410 kg	95570 kg	97940 kg	96100 kg
		236,000 lb	233,320 lb	237,180 lb	234,460 lb	214,760 lb	210,700 lb	215,920 lb	211,860 lb
Breakout force		1275 kN	1029 kN	1275 kN	1029 kN	1236 kN	1000 kN	1236 kN	1000 kN
		130000 kgf	105000 kgf	130000 kgf	105000 kgf	126000 kgf	102000 kgf	126000 kgf	102000 kgf
		286,600 lb	231,500 lb	286,600 lb	231,500 lb	277,780 lb	224,800 lb	277,780 lb	224,800 lb
Operating weight		216400 kg	217800 kg	217220 kg	218620 kg	218300 kg	219700 kg	219150 kg	220550 kg
		477,100 lb	480,200 lb	478,900 lb	482,000 lb	481,300 lb	484,400 lb	483,150 lb	486,250 lb

\*1 Measured with bucket at carry position, outside corner of bucket

All dimensions, weights, and performance values based on SAE J732c and J742b standards.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS Level 2 canopy, air conditioner, bucket and operator. Machine stability and operating weight are affected by counterweight, or ballast, tire size, and other attachments.

Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



## WEIGHT CHANGES

Tires or attachments	Operating weight		Tipping load straight				Tipping load full turn				Width over tires		Ground clearance		Change in vertical dimensions	
			STD Boom		Hi-lift Boom		STD Boom		Hi-lift Boom							
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	mm	ft in	mm	ft in	mm	ft in
60/80 R57	0	0	0	0	0	0	0	0	0	0	5820	19'1"	760	2'6"	0	0
58/85-57-84PR	+820	+1810	+600	+1320	+540	+1190	+520	+1150	+470	+1040	5720	18'9"	765	2'6"	+5	+0.2"



## STANDARD EQUIPMENT

- 2-spool valve for boom and bucket controls
- Alternator, 140 A/24 V
- AM/FM radio
- Air conditioner, heater, defroster & pressurizer
- Automatic greasing system
- Automatic transmission F3 / R3
- Axles, full floating
- Back-up alarm
- Back-up light
- Batteries, 160 Ah/12 V x 6
- Battery disconnect switch
- Boom kick-out, automatic and adjustable
- Brakes:
  - Auxiliary brake
  - Parking: wet, multiple-disc
  - Service: wet, multiple-disc
- Bucket positioner
- Cab with ROPS/FOPS Level 2 canopy
- Converter, 2.5 amps 12 volt
- Counterweight
- Dual-mode active working system
- Electronic display/Multi Monitor
- Manual engine stop switches
- Supplemental steering (SAE)
- Engine, Komatsu SSDA16V160E-2 diesel
- Engine pre-lube system
- EPC fingertip control levers with automatic leveler and positioner
- Fenders, front and left rear
- Fire extinguisher
- Floor mat
- Fog lamps
- Hard water area arrangement (corrosion resister)
- Horn, electric
- KOMTRAX Plus
- Lights
  - Backup light
  - Head lights (4 front)
  - Stop and tail
  - Turn signal with hazard switch (2 front, 2 rear)
  - Working lights (6 front, 8 rear)
  - Access stairs and service area light
- Load meter
- Power train guard
- Power windows
- Radiator core protective grid
- Rear access stairs
- Rearview mirror and rear underview mirror mounted to radiator guard
- Room mirror
- Seat belt, 76 mm 3" with retractor
- Seat, air suspension with reclining
- Service center
- Starting motor, 9.0 kW/24 V x 2
- Steering, full hydraulic power (joystick steering control)
- Sun visor
- Tinted glass
- Tire saver (modulation clutch controlled)
- Trainer seat
- Vandalism protection kit
- Water separator
- Wiggins fast fuel fill
- Wiggins fast oil fill
- Window washer, front and rear
- Wipers, front and rear, front intermittent



## OPTIONAL EQUIPMENT

- Boom
  - 6200 mm 20'4" boom
  - 6780 mm 22'2" boom
- Buckets
  - 18.0 m<sup>3</sup> 23.5 yd<sup>3</sup> spade nose rock
  - 20.0 m<sup>3</sup> 26.2 yd<sup>3</sup> spade nose rock
  - 35.0 m<sup>3</sup> 45.8 yd<sup>3</sup> coal
- Front fender handrails
- Hensley teeth
- LED turn signal
- Rims
  - 47.00-57/5.0
  - 47.00-57/6.0
- Yellow rotating lamp

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